

GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: April 6, 2005, 13:21:33 ; Search time 120.5 Seconds  
(without alignments)  
692.532 Million cell updates/sec

Title: US-09-402-713A-7  
Perfect score: 51  
Sequence: 1 MFLLHSPPKYPHTQAEK.....HLGSSMSLALCLVPLVREGH 51

Scoring table:  
OLIGO  
Xgapop 60.0 , Xgapext 60.0  
Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2399978

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:  
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-DB=Issued PatentsNA -QFMT=fastap -SUFFIX=oligo.rni -MINMATCH=0.1 -LOOPCL=0  
-LOOPEXT=0 -UNITS=Bits -START=1 -END=-1 -MATRIX=oligo -TRANS=human40.cdi  
-LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=-1 -ALIGN=15 -MODE=LOCAL  
-OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000  
-USER=US09402713 @CEN 1.1.93 @runat\_05042005\_130802\_1400 -NCPU=6 -ICPU=3  
-NO MMAP -LARGEQUERY -NEG\_SCORES=0 -WAIT -DSPELOCK=100 -LONGLOG  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA.\*  
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2: /cgn2\_6/ptodata/1/ina/5B COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	51	100.0	812	3	US-09-352-616A-471
C 3	51	100.0	812	4	US-09-636-215-471
C 4	51	100.0	812	4	US-09-685-166A-471
C 5	51	100.0	812	4	US-09-679-426-471
C 6	51	100.0	812	4	US-09-759-143-471
C 7	51	100.0	812	4	US-09-651-236-471
C 8	51	100.0	2229	3	US-09-439-313-469
C 9	51	100.0	2229	3	US-09-352-616A-469
C 10	51	100.0	2229	4	US-09-636-215-469
C 11	51	100.0	2229	4	US-09-685-166A-469
C 12	51	100.0	2229	4	US-09-679-426-469

C 13	51	100.0	2229	4	US-09-759-143-469	Sequence 469, App
C 14	51	100.0	2229	4	US-09-651-236-469	Sequence 469, App
C 15	51	100.0	2426	3	US-09-439-313-470	Sequence 470, App
C 16	51	100.0	2426	3	US-09-352-616A-470	Sequence 470, App
C 17	51	100.0	2426	4	US-09-636-215-470	Sequence 470, App
C 18	51	100.0	2426	4	US-09-685-166A-470	Sequence 470, App
C 19	51	100.0	2426	4	US-09-679-426-470	Sequence 470, App
C 20	51	100.0	2426	4	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	4	US-09-651-236-470	Sequence 470, App
C 22	51	100.0	3112	3	US-09-439-313-468	Sequence 468, App
C 23	51	100.0	3112	3	US-09-352-616A-468	Sequence 468, App
C 24	51	100.0	3112	4	US-09-636-215-468	Sequence 468, App
C 25	51	100.0	3112	4	US-09-685-166A-468	Sequence 468, App
C 26	51	100.0	3112	4	US-09-679-426-468	Sequence 468, App
C 27	51	100.0	3112	4	US-09-759-143-468	Sequence 468, App
C 28	51	100.0	3112	4	US-09-651-236-468	Sequence 468, App
C 29	51	100.0	3923	4	US-09-636-215-690	Sequence 690, App
C 30	51	100.0	3923	4	US-09-685-166A-690	Sequence 690, App
C 31	51	100.0	3923	4	US-09-679-426-690	Sequence 690, App
C 32	51	100.0	3923	4	US-09-759-143-690	Sequence 690, App
C 33	51	100.0	3923	4	US-09-651-236-690	Sequence 690, App
C 34	43	84.3	718	3	US-09-439-313-313	Sequence 313, App
C 35	43	84.3	718	3	US-09-352-616A-313	Sequence 313, App
C 36	43	84.3	718	4	US-09-636-215-313	Sequence 313, App
C 37	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 38	43	84.3	718	4	US-09-688-489-313	Sequence 313, App
C 39	43	84.3	718	4	US-09-679-426-313	Sequence 313, App
C 40	43	84.3	718	4	US-09-759-143-313	Sequence 313, App
C 41	43	84.3	718	4	US-09-651-236-313	Sequence 313, App
C 42	43	84.3	718	4	US-09-621-976-15110	Sequence 15110, A
C 43	29	56.9	481	4	US-09-513-999C-10843	Sequence 10843, A
C 44	24	47.1	437	4	US-09-513-999C-32036	Sequence 32036, A
C 45	8	15.7	473	4	US-09-513-999C-32036	Sequence 32036, A

#### ALIGNMENTS

RESULT 1  
US-09-439-313-471/c  
; Sequence 471, Application US/09439313  
; Patent No. 6329505  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Jiang Yuqui  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Fanger, Gary  
; APPLICANT: Retter, Mark  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 21021.427C9  
; CURRENT APPLICATION NUMBER: US/09/439,313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 471 ✓  
; LENGTH: 812  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-439-313-471  
Alignment Scores:  
Pred. No.: 5.71e-45  
Score: 51.00  
Percent Similarity: 100.00%  
Best Local Similarity: 100.00%  
Query Match: 100.00%  
DB: 3  
Matches: 51  
Conservative: 0  
Mismatch: 0  
Indels: 0  
Gaps: 0

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QY 1 MetPheLeuHisIleSerSerProPheLysTyTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 452
RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-352-616A-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 452
RESULT 3
US-09-636-215-471/c
; Sequence 471, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
US-09-636-215-471/c
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-636-215-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 452
RESULT 4
US-09-685-166A-471/c
; Sequence 471, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-471

Alignment Scores:
Pred. No.: 5.71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-685-166A-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5.71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5.71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-471 (1-812)

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QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 6
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 5.71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-759-143-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 7
US-09-651-236-471/c
; Sequence 471, Application US/09651236
; Patent No. 6818751

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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-651-236-471 (1-812)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 452

RESULT 8
US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

US-09-439-313-469
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-469 (1-2229)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

US-09-352-616A-469/c
; Sequence 469, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-469 (1-2229)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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Db      1539 CTGTGCTGTCCTCGCTTGTGAGGGAAGGACAT 1507
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RESULT 10
US-09-636-215-469/c
; Sequence 469, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-469
Alignment Scores:
Pred. No.: 1-51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-636-215-469 (1-2229)
Qy      1 MetPheLeuHisIleSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db      1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACAGAGGAAGCAAAAGGAA 1600
|||||
Qy      21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTCTGATGAGCCTCGCC 1540
|||||
Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db      1539 CTGTGCTGTCCTCGCTTGTGAGGGAAGGACAT 1507
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RESULT 12
US-09-679-426-469/c
; Sequence 469, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolck, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679.426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-469

Alignment Scores:
Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 1600

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTTCATCGATGAGCCTCGCC 1540

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 14
US-09-651-236-469/c
; Sequence 469, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-469

Alignment Scores:
Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-651-236-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 1600

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTTCATCGATGAGCCTCGCC 1540

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 15
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

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Alignment Scores:
Pred. No.: 1.64e-44 Length: 2426
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

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US-09-402-713A-7 (1-51) x US-09-439-313-470 (1-2426)

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QY      1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB      1653 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGCACAAAGGAA 1594

QY      21 AlaGlnArgSerLeuGluMetProGlyValGHisLeuGlySerSerMetSerLeuAla 40
DB      1593 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 1534

QY      41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB      1533 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 1501

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Job time : 123.5 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: April 6, 2005, 23:10:26 ; Search time 408 Seconds  
(without alignments)  
757.500 Million cell updates/sec

Title: US-09-402-713a-7

Perfect score: 51

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Word size: 1

Total number of hits satisfying chosen parameters: 11220029

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	51	100.0	812	9	US-09-759-143-471	Sequence 471, App
C 2	51	100.0	812	9	US-09-780-669-471	Sequence 471, App
C 3	51	100.0	812	9	US-09-822-827-471	Sequence 471, App
C 4	51	100.0	812	9	US-09-895-793-471	Sequence 471, App
C 5	51	100.0	812	9	US-09-895-814-471	Sequence 471, App
C 6	51	100.0	812	13	US-10-012-896-471	Sequence 471, App
C 7	51	100.0	812	14	US-10-010-940-471	Sequence 471, App
C 8	51	100.0	812	16	US-10-144-678A-471	Sequence 471, App
C 9	51	100.0	812	16	US-10-294-025-471	Sequence 471, App
C 10	51	100.0	876	10	US-09-957-708-3	Sequence 3, Appli
C 11	51	100.0	2229	9	US-09-759-143-469	Sequence 469, App
C 12	51	100.0	2229	9	US-09-780-669-469	Sequence 469, App
C 13	51	100.0	2229	9	US-09-822-827-469	Sequence 469, App
C 14	51	100.0	2229	9	US-09-895-793-469	Sequence 469, App
C 15	51	100.0	2229	9	US-09-895-814-469	Sequence 469, App
C 16	51	100.0	2229	13	US-10-012-896-469	Sequence 469, App
C 17	51	100.0	2229	14	US-10-010-940-469	Sequence 469, App
C 18	51	100.0	2229	16	US-10-144-678A-469	Sequence 469, App
C 19	51	100.0	2229	16	US-10-294-025-469	Sequence 469, App
C 20	51	100.0	2426	9	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	9	US-09-780-669-470	Sequence 470, App
C 22	51	100.0	2426	9	US-09-822-827-470	Sequence 470, App
C 23	51	100.0	2426	9	US-09-895-793-470	Sequence 470, App
C 24	51	100.0	2426	9	US-09-895-814-470	Sequence 470, App
C 25	51	100.0	2426	13	US-10-012-896-470	Sequence 470, App
C 26	51	100.0	2426	14	US-10-010-940-470	Sequence 470, App
C 27	51	100.0	2426	15	US-10-205-823-448	Sequence 448, App
C 28	51	100.0	2426	16	US-10-144-678A-470	Sequence 470, App
C 29	51	100.0	2426	16	US-10-294-025-470	Sequence 470, App
C 30	51	100.0	3112	9	US-09-759-143-468	Sequence 468, App
C 31	51	100.0	3112	9	US-09-780-669-468	Sequence 468, App
C 32	51	100.0	3112	9	US-09-822-827-468	Sequence 468, App
C 33	51	100.0	3112	9	US-09-895-793-468	Sequence 468, App
C 34	51	100.0	3112	9	US-09-895-814-468	Sequence 468, App
C 35	51	100.0	3112	13	US-10-012-896-468	Sequence 468, App
C 36	51	100.0	3112	14	US-10-010-940-468	Sequence 468, App
C 37	51	100.0	3112	16	US-10-144-678A-468	Sequence 468, App
C 38	51	100.0	3112	16	US-10-294-025-468	Sequence 468, App
C 39	51	100.0	3923	9	US-09-759-143-690	Sequence 690, App
C 40	51	100.0	3923	9	US-09-780-669-690	Sequence 690, App
C 41	51	100.0	3923	9	US-09-822-827-690	Sequence 690, App
C 42	51	100.0	3923	9	US-09-895-793-690	Sequence 690, App
C 43	51	100.0	3923	9	US-09-895-814-690	Sequence 690, App
C 44	51	100.0	3923	13	US-10-012-896-690	Sequence 690, App
C 45	51	100.0	3923	15	US-10-205-823-316	Sequence 316, App

#### ALIGNMENTS

RESULT 1  
US-09-759-143-471/c  
; Sequence 471, Application US/09759143  
; Patent No. US2002022248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun C.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqui  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun

```
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-759-143-471 (1-812)
QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 2
US-09-780-669-471/c
; Sequence 471, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: McNeill, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-780-669-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-780-669-471 (1-812)
QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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RESULT 3
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; Sequence 471, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-822-827-471 (1-812)
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Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 4
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; Sequence 471, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
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; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hurlal, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-471

```

```

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

```

US-09-402-713A-7 (1-51) x US-09-895-793-471 (1-812)

```

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTGATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

```

RESULT 5

```

US-09-895-814-471/c
; Sequence 471, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.

```

```

; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-471

```

```

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

```

US-09-402-713A-7 (1-51) x US-09-895-814-471 (1-812)

```

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTGATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

```

RESULT 6

```

US-10-012-896-471/c
; Sequence 471, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

```

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C27  
 ; CURRENT APPLICATION NUMBER: US/10/012,896  
 ; CURRENT FILING DATE: 2001-12-10  
 ; NUMBER OF SEQ ID NOS: 1011  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-012-896-471

Alignment Scores:  
 Pred. No.: 4.6e-43 Length: 812  
 Score: 51.00 Matches: 51  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 13 Gaps: 0

US-09-402-713A-7 (1-51) x US-10-012-896-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 |||||  
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 545  
 |||||  
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 |||||  
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 485  
 |||||  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
 |||||  
 Db 484 CTGTGCTGTGCTCCCGCTTTGTGAGGGAAGGACAT 452  
 |||||

## RESULT 7

US-10-010-940-471/c  
 ; Sequence 471, Application US/10010940  
 ; Publication No. US2003008062A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Jennifer L.  
 ; APPLICANT: Mitcham, Susan Louise  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang Yuqui  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Kalos, Michael  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Retter, Mark  
 ; APPLICANT: Solk, John  
 ; APPLICANT: Day, Craig  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ; FILE REFERENCE: 210121.427D3  
 ; CURRENT APPLICATION NUMBER: US/10/010,940  
 ; CURRENT FILING DATE: 2001-12-05  
 ; NUMBER OF SEQ ID NOS: 575  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-010-940-471

Alignment Scores:  
 Pred. No.: 4.6e-43 Length: 812  
 Score: 51.00 Matches: 51  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 14 Gaps: 0

US-09-402-713A-7 (1-51) x US-10-010-940-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 |||||  
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 545  
 |||||  
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 |||||  
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 485  
 |||||  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
 |||||  
 Db 484 CTGTGCTGTGCTCCCGCTTTGTGAGGGAAGGACAT 452  
 |||||

## RESULT 8

US-10-144-678A-471/c  
 ; Sequence 471, Application US/10144678A  
 ; Publication No. US20030157089A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqui  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel X.  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skelky, Yasir A. W.  
 ; APPLICANT: Hepler, William T.  
 ; APPLICANT: Hural, John  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Houghton, Raymond L.  
 ; APPLICANT: Vinals y de Bassols, Carlota  
 ; APPLICANT: Foy, Teresa M.  
 ; APPLICANT: Watanabe, Yoshihiro  
 ; APPLICANT: Deng, Ta  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.427C28  
 ; CURRENT APPLICATION NUMBER: US/10/144,678A  
 ; CURRENT FILING DATE: 2002-08-12  
 ; NUMBER OF SEQ ID NOS: 1033  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-144-678A-471

Alignment Scores:  
 Pred. No.: 4.6e-43 Length: 812  
 Score: 51.00 Matches: 51  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 16 Gaps: 0

US-09-402-713A-7 (1-51) x US-10-144-678A-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 |||||  
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 545  
 |||||  
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 |||||  
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 485  
 |||||  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
 |||||



```

Db 484 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 452
|||||
US-10-294-025-471/c
; Sequence 471, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-471
Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0
Db: 16

US-09-402-713A-7 (1-51) x US-10-294-025-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 604 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 545
|||||
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 544 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCATCGATGAGCCTCGCC 485
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db 484 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 452
|||||
RESULT 10
US-09-957-708-3
; Sequence 3, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caiferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-957-708-3
Alignment Scores:
Pred. No.: 4.9e-43 Length: 876
Score: 51.00 Matches: 51

```

```

Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0
DB: 10

US-09-402-713A-7 (1-51) x US-09-957-708-3 (1-876)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 243 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 302
|||||
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 303 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCATCGATGAGCCTCGCC 362
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db 363 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 395
|||||
RESULT 11
US-09-759-143-469/c
; Sequence 469, Application US/09759143
; Patent No. US20020022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-469
Alignment Scores:
Pred. No.: 1.07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0
DB: 9

US-09-402-713A-7 (1-51) x US-09-759-143-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 1659 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
|||||
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 1599 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCATCGATGAGCCTCGCC 1540
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||

```

```
Db 1539 CTGTGCTGCTCCCGCTTTGAGGAGGACAT 1507
|||||
RESULT 12
US-09-780-669-469/c
; Sequence 469, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-469

Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-780-669-469 (1-2229)
QY 1 MetPheLeuHisSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTTGAGGAGGACAT 1507

RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469

Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
```

```
Db 1539 CTGTGCTGCTCCCGCTTTGAGGAGGACAT 1507
|||||
RESULT 13
US-09-822-827-469/c
; Sequence 469, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
```

Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-895-793-469 (1-2229)

Qy 1 MetPheLeuHisLeSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20  
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAGGACAAAGGAA 1600  
Qy 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTGTCATCGATGAGCCTCGCC 1540  
Qy 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACAT 1507

# RESULT 15

US-09-895-814-469/c

: Sequence 469, Application US/09895814

: Publication No. US20020193296A1

## GENERAL INFORMATION:

: APPLICANT: Xu, Jiangchun  
: APPLICANT: Dillon, Davin C.  
: APPLICANT: Mitcham, Jennifer L.  
: APPLICANT: Harlocker, Susan L.  
: APPLICANT: Jiang, Yuqiu  
: APPLICANT: Kalos, Michael D.  
: APPLICANT: Retter, Marc W.  
: APPLICANT: Stolk, John A.  
: APPLICANT: Day, Craig H.  
: APPLICANT: Vedvick, Thomas S.  
: APPLICANT: Carter, Darrick  
: APPLICANT: Li, Samuel X.  
: APPLICANT: Wang, Aijun  
: APPLICANT: Skeiky, Yasir A.W.  
: APPLICANT: Hepler, William T.  
: APPLICANT: Henderson, Robert A.  
: APPLICANT: Hural, John  
: APPLICANT: McNeill, Patricia D.  
: APPLICANT: Houghton, Raymond L.  
: APPLICANT: Vinals de Bassols, Carlota  
: APPLICANT: Foy, Teresa  
: APPLICANT: Ranger, Gary R.  
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
: FILE REFERENCE: 210121.427C26  
: CURRENT APPLICATION NUMBER: US/09/895,814  
: CURRENT FILING DATE: 2001-06-29  
: NUMBER OF SEQ ID NOS: 990  
: SOFTWARE: FastSeq for Windows Version 3.0  
: SEQ ID NO 469  
: LENGTH: 2229  
: TYPE: DNA  
: ORGANISM: Homo sapiens  
US-09-895-814-469

## Alignment Scores:

Pred. No.: 1.07e-42 Length: 2229  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-895-814-469 (1-2229)

Qy 1 MetPheLeuHisLeSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20  
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAGGACAAAGGAA 1600

Qy 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTGTCATCGATGAGCCTCGCC 1540  
Qy 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACAT 1507

Search completed: April 7, 2005, 02:25:58

Job time : 411 secs

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: April 6, 2005, 13:21:33 ; Search time 120.5 Seconds  
(without alignments)  
692.532 Million cell updates/sec

Title: US-09-402-713A-2

Perfect score: 51

Sequence: 1 MELHSSPKYPHTQAOKE.....HLGSSMSLALCLVPLVREGH 51

Scoring table:

OLIGO  
Xgapop 60.0 , Xgapext 60.0  
Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2399978

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters: -MODEL=frame+ p2n.model -DEV=xlh

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-DB=Issued\_Patents\_NA -QFMT=fastap -SUFFIX=oligo.rni -MINMATCH=0.1 -LOOPEL=0  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo -TRANS=human40.cdi  
-LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1 -ALIGN=15 -MODE=LOCAL  
-OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000  
-USER=US09402713 @CEN 1 1.93 @runat\_05042005\_130802\_1400 -NCPUS=6 -ICPU=3  
-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG  
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:  
1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	51	100.0	812	3	US-09-352-616A-471
C 3	51	100.0	812	4	US-09-636-215-471
C 4	51	100.0	812	4	US-09-685-166A-471
C 5	51	100.0	812	4	US-09-679-426-471
C 6	51	100.0	812	4	US-09-759-143-471
C 7	51	100.0	812	4	US-09-651-236-471
C 8	51	100.0	2229	3	US-09-439-313-469
C 9	51	100.0	2229	3	US-09-352-616A-469
C 10	51	100.0	2229	4	US-09-636-215-469
C 11	51	100.0	2229	4	US-09-685-166A-469
C 12	51	100.0	2229	4	US-09-679-426-469

C 13	51	100.0	2229	4	US-09-759-143-469	Sequence 469, App
C 14	51	100.0	2229	4	US-09-651-236-469	Sequence 469, App
C 15	51	100.0	2426	3	US-09-439-313-470	Sequence 470, App
C 16	51	100.0	2426	3	US-09-352-616A-470	Sequence 470, App
C 17	51	100.0	2426	4	US-09-636-215-470	Sequence 470, App
C 18	51	100.0	2426	4	US-09-685-166A-470	Sequence 470, App
C 19	51	100.0	2426	4	US-09-679-426-470	Sequence 470, App
C 20	51	100.0	2426	4	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	4	US-09-651-236-470	Sequence 470, App
C 22	51	100.0	3112	3	US-09-439-313-468	Sequence 468, App
C 23	51	100.0	3112	3	US-09-352-616A-468	Sequence 468, App
C 24	51	100.0	3112	4	US-09-636-215-468	Sequence 468, App
C 25	51	100.0	3112	4	US-09-685-166A-468	Sequence 468, App
C 26	51	100.0	3112	4	US-09-679-426-468	Sequence 468, App
C 27	51	100.0	3112	4	US-09-759-143-468	Sequence 468, App
C 28	51	100.0	3112	4	US-09-651-236-468	Sequence 468, App
C 29	51	100.0	3923	4	US-09-636-215-690	Sequence 690, App
C 30	51	100.0	3923	4	US-09-685-166A-690	Sequence 690, App
C 31	51	100.0	3923	4	US-09-679-426-690	Sequence 690, App
C 32	51	100.0	3923	4	US-09-759-143-690	Sequence 690, App
C 33	51	100.0	3923	4	US-09-651-236-690	Sequence 690, App
C 34	43	84.3	718	3	US-09-439-313-313	Sequence 313, App
C 35	43	84.3	718	3	US-09-352-616A-313	Sequence 313, App
C 36	43	84.3	718	3	US-09-636-215-313	Sequence 313, App
C 37	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 38	43	84.3	718	4	US-09-679-426-313	Sequence 313, App
C 39	43	84.3	718	4	US-09-759-143-313	Sequence 313, App
C 40	43	84.3	718	4	US-09-651-236-313	Sequence 313, App
C 41	43	84.3	718	4	US-09-636-215-313	Sequence 313, App
C 42	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 43	29	56.9	481	4	US-09-621-976-15110	Sequence 15110, A
C 44	24	47.1	437	4	US-09-513-999C-10843	Sequence 10843, A
C 45	8	15.7	473	4	US-09-513-999C-32036	Sequence 32036, A

#### ALIGNMENTS

RESULT 1  
US-09-439-313-471/c  
; Sequence 471, Application US/09439313  
; Patent No. 6329505  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Jiang Yuqi  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Fanger, Gary  
; APPLICANT: Retter, Mark  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; FILE REFERENCE: 210121.427C9  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FASTSEQ for Windows Version 3.0  
; SEQ ID NO: 471  
; LENGTH: 812  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-439-313-471  
Alignment Scores:  
Pred. No.: 5,71e-45  
Score: 51.00  
Percent Similarity: 100.00%  
Best Local Similarity: 100.00%  
Query Match: 100.00%  
Indels: 0  
Gaps: 0  
Length: 812  
Matches: 51  
Conservative: 0  
Mismatch: 0  
Indels: 0  
Gaps: 0

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QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTCGGAGAAATGCCCGCCCATCTTGGTCTCATGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiaqun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-352-616A-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTCGGAGAAATGCCCGCCCATCTTGGTCTCATGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 3
US-09-636-215-471/c
; Sequence 471, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaqun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
US-09-636-215-471
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-636-215-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTCGGAGAAATGCCCGCCCATCTTGGTCTCATGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 4
US-09-685-166A-471/c
; Sequence 471, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaqun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-471

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Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-685-166A-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Yasiir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-679-426-471 (1-812)

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QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 6
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Yasiir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-759-143-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 7
US-09-651-236-471/c
; Sequence 471, Application US/09651236
; Patent No. 6818751

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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, John W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-651-236-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 8
US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

; GENERAL INFORMATION:
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-439-313-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507

RESULT 9
US-09-352-616A-469/c
; Sequence 469, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616A-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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RESULT 10
US-09-636-215-469/c
; Sequence 469, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-469
Alignment Scores:
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Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
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DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGGAA 1600
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QY 21 AlaGlnArgSerLeuGlyCyluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
DB 1599 GCACAGAGATCCTGGGAGAAATGCCCGCCGCCATCTTGGGTCTCATGATGAGCTCGCC 1540
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QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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RESULT 11
US-09-685-166A-469/c
; Sequence 469, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.

```

```

; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-469
Alignment Scores:
Pred. No.: 1-51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-685-166A-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGGAA 1600
|||||
QY 21 AlaGlnArgSerLeuGlyCyluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
DB 1599 GCACAGAGATCCTGGGAGAAATGCCCGCCGCCATCTTGGGTCTCATGATGAGCTCGCC 1540
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
|||||
RESULT 12
US-09-679-426-469/c
; Sequence 469, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0

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; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-469
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Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-679-426-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCTCGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCGCTTGTGAGGGAAGACAT 1507

RESULT 14
US-09-651-236-469/c
; Sequence 469, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-469
Alignment Scores:
Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-651-236-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCTCGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCGCTTGTGAGGGAAGACAT 1507

RESULT 15
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

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Alignment Scores:
Pred. No.:      1.64e-44      Length:      2426
Score:          51.00        Matches:      51
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00% Mismatches:      0
Query Match:      100.00%     Indels:         0
DB:               3          Gaps:           0

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US-09-402-713A-2 (1-51) x US-09-439-313-470 (1-2426)

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Db      1653 ATGTTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAAGGAA 1594

Qy      21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db      1593 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTGGGTCTCATCGATGAGCCTCGCC 1534

Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db      1533 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACAT 1501

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Job time : 123.5 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

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Run on: April 6, 2005, 23:10:26 ; Search time 408 Seconds  
(without alignments)  
757.500 Million cell updates/sec

Title: US-09-402-713A-2

Perfect score: 51

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Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 5615251 segs, 3030001701 residues

Word size: 1

Total number of hits satisfying chosen parameters: 11220029

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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Database :

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11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	51	100.0	812	9	US-09-759-143-471	Sequence 471, App
C 2	51	100.0	812	9	US-09-780-669-471	Sequence 471, App
C 3	51	100.0	812	9	US-09-822-827-471	Sequence 471, App
C 4	51	100.0	812	9	US-09-895-793-471	Sequence 471, App
C 5	51	100.0	812	9	US-09-895-814-471	Sequence 471, App
C 6	51	100.0	812	13	US-10-012-896-471	Sequence 471, App
C 7	51	100.0	812	14	US-10-010-940-471	Sequence 471, App
C 8	51	100.0	812	16	US-10-144-678A-471	Sequence 471, App
C 9	51	100.0	812	16	US-10-294-025-471	Sequence 471, App
C 10	51	100.0	876	10	US-09-957-708-3	Sequence 3, Appl
C 11	51	100.0	2229	9	US-09-759-143-469	Sequence 469, App
C 12	51	100.0	2229	9	US-09-780-669-469	Sequence 469, App
C 13	51	100.0	2229	9	US-09-822-827-469	Sequence 469, App
C 14	51	100.0	2229	9	US-09-895-793-469	Sequence 469, App
C 15	51	100.0	2229	9	US-09-895-814-469	Sequence 469, App
C 16	51	100.0	2229	13	US-10-012-896-469	Sequence 469, App
C 17	51	100.0	2229	14	US-10-010-940-469	Sequence 469, App
C 18	51	100.0	2229	16	US-10-144-678A-469	Sequence 469, App
C 19	51	100.0	2229	16	US-10-294-025-469	Sequence 469, App
C 20	51	100.0	2426	9	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	9	US-09-780-669-470	Sequence 470, App
C 22	51	100.0	2426	9	US-09-822-827-470	Sequence 470, App
C 23	51	100.0	2426	9	US-09-895-793-470	Sequence 470, App
C 24	51	100.0	2426	9	US-09-895-814-470	Sequence 470, App
C 25	51	100.0	2426	13	US-10-012-896-470	Sequence 470, App
C 26	51	100.0	2426	14	US-10-010-940-470	Sequence 470, App
C 27	51	100.0	2426	15	US-10-205-823-448	Sequence 448, App
C 28	51	100.0	2426	16	US-10-144-678A-470	Sequence 470, App
C 29	51	100.0	2426	16	US-10-294-025-470	Sequence 470, App
C 30	51	100.0	3112	9	US-09-759-143-468	Sequence 468, App
C 31	51	100.0	3112	9	US-09-780-669-468	Sequence 468, App
C 32	51	100.0	3112	9	US-09-822-827-468	Sequence 468, App
C 33	51	100.0	3112	9	US-09-895-793-468	Sequence 468, App
C 34	51	100.0	3112	9	US-09-895-814-468	Sequence 468, App
C 35	51	100.0	3112	13	US-10-012-896-468	Sequence 468, App
C 36	51	100.0	3112	14	US-10-010-940-468	Sequence 468, App
C 37	51	100.0	3112	16	US-10-144-678A-468	Sequence 468, App
C 38	51	100.0	3112	16	US-10-294-025-468	Sequence 468, App
C 39	51	100.0	3923	9	US-09-759-143-690	Sequence 690, App
C 40	51	100.0	3923	9	US-09-780-669-690	Sequence 690, App
C 41	51	100.0	3923	9	US-09-822-827-690	Sequence 690, App
C 42	51	100.0	3923	9	US-09-895-793-690	Sequence 690, App
C 43	51	100.0	3923	9	US-09-895-814-690	Sequence 690, App
C 44	51	100.0	3923	13	US-10-012-896-690	Sequence 690, App
C 45	51	100.0	3923	15	US-10-205-823-316	Sequence 316, App

#### ALIGNMENTS

RESULT 1  
US-09-759-143-471/c  
; Sequence 471, Application US/09759143  
; Patent No. US200202248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael R.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.427C23  
CURRENT APPLICATION NUMBER: US/09/759,143  
CURRENT FILING DATE: 2001-01-12  
NUMBER OF SEQ ID NOS: 934  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 471  
LENGTH: 812  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-759-143-471

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-759-143-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
Db 544 GCACAGAGATCCTGGGAGAAATGCCGCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

RESULT 2  
US-09-780-669-471/c  
Sequence 471, Application US/09780669  
Patent No. US20020051977A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yuqui  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.427C24  
CURRENT APPLICATION NUMBER: US/09/780,669  
CURRENT FILING DATE: 2001-02-09  
NUMBER OF SEQ ID NOS: 943  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 471  
LENGTH: 812  
TYPE: DNA  
ORGANISM: Homo sapiens

US-09-780-669-471

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-780-669-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
Db 544 GCACAGAGATCCTGGGAGAAATGCCGCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

RESULT 3  
US-09-822-827-471/c  
Sequence 471, Application US/09822827  
Patent No. US20020081680A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.534C1  
CURRENT APPLICATION NUMBER: US/09/822,827  
CURRENT FILING DATE: 2001-03-28  
NUMBER OF SEQ ID NOS: 982  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 471  
LENGTH: 812  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-822-827-471

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-822-827-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
Db 544 GCACAGAGATCCTGGGAGAAATGCCGCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

RESULT 4  
US-09-895-793-471/c  
Sequence 471, Application US/09895793  
Patent No. US20020192763A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Bassols, Carlota  
APPLICANT: Foy, Teresa  
APPLICANT: Fanger, Gary R.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.534C2  
CURRENT FILING DATE: 2001-06-29  
NUMBER OF SEQ ID NOS: 982  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 471  
LENGTH: 812  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-895-793-471

Alignment Scores:  
Pred. No.: 4 6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-793-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
|||||  
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545  
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
|||||  
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCATCGATGAGCCTCGCC 485  
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
|||||  
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGACAT 452

## RESULT 5

US-09-895-814-471/c  
Sequence 471, Application US/09895814  
Publication No. US20020193296A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Bassols, Carlota  
APPLICANT: Foy, Teresa  
APPLICANT: Fanger, Gary R.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C26  
CURRENT FILING DATE: 2001-06-29  
NUMBER OF SEQ ID NOS: 990  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 471  
LENGTH: 812  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-895-814-471

Alignment Scores:  
Pred. No.: 4 6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-814-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
|||||  
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545  
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
|||||  
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCATCGATGAGCCTCGCC 485  
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
|||||  
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGACAT 452

## RESULT 6

US-10-012-896-471/c  
Sequence 471, Application US/10012896  
Publication No. US20020183251A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Bassols, Carlota  
APPLICANT: Foy, Teresa  
APPLICANT: Fanger, Gary R.  
APPLICANT: Watanabe, Yoshihiro  
APPLICANT: Meagher, Madeleine Joy  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 545

21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485

41 LeuCysLeuValProLeuValArgGlyHis 51  
484 CTGTGCTGCTCCGCTTGTGAGGGAAGGACAT 452

US-09-402-713A-2 (1-51) x US-10-012-896-471 (1-812)

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 13 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-012-896-471 (1-812)

1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 545

21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485

41 LeuCysLeuValProLeuValArgGlyHis 51  
484 CTGTGCTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 7  
US-10-010-940-471/c  
; Sequence 471, Application US/10010940  
; Publication No. US20030088062A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Jiang Yuqi  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Fanger, Gary  
; APPLICANT: Retter, Mark  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; FILE REFERENCE: 210121.427D3  
; CURRENT APPLICATION NUMBER: US/10/010,940  
; CURRENT FILING DATE: 2001-12-05  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 471  
; LENGTH: 812  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-010-940-471

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 14 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-010-940-471 (1-812)

1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 545

21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485

41 LeuCysLeuValProLeuValArgGlyHis 51  
484 CTGTGCTGCTCCGCTTGTGAGGGAAGGACAT 452

## RESULT 8

US-10-144-678A-471/c  
; Sequence 471, Application US/10144678A  
; Publication No. US20030157089A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel X.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Hepler, William T.  
; APPLICANT: Hural, John  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Vinals y de Bassols, Carlota  
; APPLICANT: Foy, Teresa M.  
; APPLICANT: Watanabe, Yoshihiro  
; APPLICANT: Deng, Ta  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C28  
; CURRENT APPLICATION NUMBER: US/10/144,678A  
; CURRENT FILING DATE: 2002-08-12  
; NUMBER OF SEQ ID NOS: 1033  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 471  
; LENGTH: 812  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-144-678A-471

Alignment Scores:  
Pred. No.: 4.6e-43 Length: 812  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 16 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-144-678A-471 (1-812)

1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAAGGAA 545

21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485

41 LeuCysLeuValProLeuValArgGlyHis 51



Db 484 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 452  
 RESULT 9  
 US-10-294-025-471/c  
 ; Sequence 471, Application US/10294025  
 ; Publication No. US20030185830A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Kalos, Michael D.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C29  
 ; CURRENT APPLICATION NUMBER: US/10/294,025  
 ; NUMBER OF SEQ ID NOS: 1038  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-294-025-471  
 Alignment Scores:  
 Pred. No.: 4.6e-43 Length: 812  
 Score: 51.00 Matches: 51  
 Percent Similarity: 100.00%  
 Best Local Similarity: 100.00%  
 Query Match: 100.00%  
 Indels: 0  
 Gaps: 0  
 DB: 16  
 US-09-402-713A-2 (1-51) x US-10-294-025-471 (1-812)  
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAAAGGAA 545  
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATGATGAGCTCGCC 485  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
 Db 484 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 452  
 RESULT 10  
 US-09-957-708-3  
 ; Sequence 3, Application US/09957708  
 ; Publication No. US20030031678A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sun, Yongming  
 ; APPLICANT: Recipon, Herve  
 ; APPLICANT: Caffrey, Robert  
 ; APPLICANT: Ali, Shujah  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific  
 ; TITLE OF INVENTION: Genes  
 ; FILE REFERENCE: DEX-0239  
 ; CURRENT APPLICATION NUMBER: US/09/957,708  
 ; CURRENT FILING DATE: 2001-09-19  
 ; PRIOR APPLICATION NUMBER: 60/233,746  
 ; PRIOR FILING DATE: 2000-09-19  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 3  
 ; LENGTH: 876  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-957-708-3  
 Alignment Scores:  
 Pred. No.: 4.9e-43 Length: 876  
 Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 10 Gaps: 0  
 US-09-402-713A-2 (1-51) x US-09-957-708-3 (1-876)  
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 Db 243 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAAAGGAA 302  
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 Db 303 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATGATGAGCTCGCC 362  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
 Db 363 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 395  
 RESULT 11  
 US-09-759-143-469/c  
 ; Sequence 469, Application US/09759143  
 ; Patent No. US2002002248A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqui  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedwick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C23  
 ; CURRENT APPLICATION NUMBER: US/09/759,143  
 ; CURRENT FILING DATE: 2001-01-12  
 ; NUMBER OF SEQ ID NOS: 934  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 469  
 ; LENGTH: 2229  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-759-143-469  
 Alignment Scores:  
 Pred. No.: 1.07e-42 Length: 2229  
 Score: 51.00 Matches: 51  
 Percent Similarity: 100.00%  
 Best Local Similarity: 100.00%  
 Query Match: 100.00%  
 Indels: 0  
 DB: 9 Gaps: 0  
 US-09-402-713A-2 (1-51) x US-09-759-143-469 (1-2229)  
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
 Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAAAGGAA 1600  
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
 Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATGATGAGCTCGCC 1540  
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

```
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507
|||||
RESULT 12
US-09-780-669-469/c
; Sequence 469, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-469
Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-780-669-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGGAA 1600
|||||
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 1599 GCACAGAGATCCTCGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCTCGCC 1540
|||||
QY 41 LeuCySLeuValProLeuValArgGluGlyHis 51
|||||
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507
|||||
RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469
Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-780-669-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGGAA 1600
|||||
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 1599 GCACAGAGATCCTCGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCTCGCC 1540
|||||
QY 41 LeuCySLeuValProLeuValArgGluGlyHis 51
|||||
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507
|||||
RESULT 13
US-09-822-827-469/c
; Sequence 469, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
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Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-793-469 (1-2229)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20  
DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAACAAAAGGAA 1600  
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540  
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
DB 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

## RESULT 15

US-09-895-814-469/c

; Sequence 469, Application US/09895814

; Publication No. US20020193296A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darriek

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota

; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C26

; CURRENT APPLICATION NUMBER: US/09/895,814

; NUMBER OF SEQ ID NOS: 990

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-895-814-469

## Alignment Scores:

Pred. No.: 1.07e-42 Length: 2229  
Score: 51.00 Matches: 51  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-814-469 (1-2229)

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DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACAGGAGCAACAAAAGGAA 1600

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40  
DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540  
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51  
DB 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

Search completed: April 7, 2005, 02:25:56

Job time : 416 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 12:06:32 ; Search time 573.223 Seconds  
(without alignments)

10224.884 Million cell updates/sec

Title: US-09-402-713a-6

Perfect score: 3582

Sequence: 1 acagaagaataagcaagtgc.....tgattctttgttacaacttt 3582

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.\*

- 1: /cgn2\_6/prodata/1/ina/5A COMB.seq.\*
- 2: /cgn2\_6/prodata/1/ina/5B COMB.seq.\*
- 3: /cgn2\_6/prodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/prodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/prodata/1/ina/PCTUS COMB.seq.\*
- 6: /cgn2\_6/prodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3036	84.8	3923	4	US-09-636-215-690
2	3036	84.8	3923	4	US-09-685-168A-690
3	3036	84.8	3923	4	US-09-679-426-690
4	3036	84.8	3923	4	US-09-759-143-690
5	3036	84.8	3923	4	US-09-651-236-690
6	1364	38.1	3112	3	US-09-439-313-468
7	1364	38.1	3112	3	US-09-352-616A-468
8	1364	38.1	3112	4	US-09-636-215-468
9	1364	38.1	3112	4	US-09-685-168A-468
10	1364	38.1	3112	4	US-09-679-426-468
11	1364	38.1	3112	4	US-09-759-143-468
12	1364	38.1	3112	4	US-09-651-236-468
13	1357	37.9	2426	3	US-09-439-313-470
14	1357	37.9	2426	3	US-09-352-616A-470
15	1357	37.9	2426	4	US-09-636-215-470
16	1357	37.9	2426	4	US-09-685-168A-470
17	1357	37.9	2426	4	US-09-679-426-470
18	1357	37.9	2426	4	US-09-759-143-470
19	1357	37.9	2426	4	US-09-651-236-470
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21	1123	31.4	2229	3	US-09-352-616A-469
22	1123	31.4	2229	4	US-09-636-215-469
23	1123	31.4	2229	4	US-09-685-168A-469
24	1123	31.4	2229	4	US-09-679-426-469
25	1123	31.4	2229	4	US-09-759-143-469
26	1123	31.4	2229	4	US-09-651-236-469
27	720	20.1	812	3	US-09-439-313-471

C 28	720	20.1	812	3	US-09-352-616A-471	Sequence 471, App
C 29	720	20.1	812	4	US-09-636-215-471	Sequence 471, App
C 30	720	20.1	812	4	US-09-685-168A-471	Sequence 471, App
C 31	720	20.1	812	4	US-09-679-426-471	Sequence 471, App
C 32	720	20.1	812	4	US-09-759-143-471	Sequence 471, App
C 33	720	20.1	812	4	US-09-651-236-471	Sequence 471, App
C 34	241	6.7	481	4	US-09-621-976-15110	Sequence 15110, A
C 35	201	5.6	718	3	US-09-439-313-313	Sequence 313, App
C 36	201	5.6	718	3	US-09-352-616A-313	Sequence 313, App
C 37	201	5.6	718	3	US-09-232-149A-313	Sequence 313, App
C 38	201	5.6	718	4	US-09-636-215-313	Sequence 313, App
C 39	201	5.6	718	4	US-09-685-168A-313	Sequence 313, App
C 40	201	5.6	718	4	US-09-688-489-313	Sequence 313, App
C 41	201	5.6	718	4	US-09-679-426-313	Sequence 313, App
C 42	201	5.6	718	4	US-09-759-143-313	Sequence 313, App
C 43	201	5.6	718	4	US-09-651-236-313	Sequence 313, App
C 44	179	5.0	301	3	US-09-439-313-287	Sequence 287, App
C 45	179	5.0	301	3	US-09-352-616A-287	Sequence 287, App

#### ALIGNMENTS

#### RESULT 1

US-09-636-215-690  
; Sequence 690, Application US/09636215  
; Patent No. 6620922  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
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; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.42717C17  
; CURRENT APPLICATION NUMBER: US/09/636,215  
; CURRENT FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 852  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-636-215-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT	60
Db	1	ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT	60
Qy	61	GGCTCAGCCGAGGAGACAGAGATCTGATGGTGGAAAGGACCTGATGATACAGAG	120
Db	61	GGCTCAGCCGAGGAGACAGAGATCTGATGGTGGAAAGGACCTGATGATACAGAG	120
Qy	121	GAATTACACATATCTAGTGTTCATCAACACCAAGATAAATAGTCAGAGCTA	180
Db	121	GAATTACACATATCTAGTGTTCATCAACACCAAGATAAATAGTCAGAGCTA	180

Qy	181	GTCCGCTGTGAGTCTCTCAGTGCACACAGGGCTGGATCACCATCGACGGGACATTTCTTGAG	240
Db	181		
Qy	241	TATCTAGTCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAA	300
Db	241		
Qy	301	GGCTGCTGACTTTACATCTTGAGGCCACACATCTGCTGGAATGGAGAGATTAATCAATCAC	360
Db	301		
Qy	361	TAGAAACAGCAAGATGACAAATATAATCTCTAAAGTAGTGACATGTGTTTTTGACATTTTCCAG	420
Db	361		
Qy	421	CCCTTTAAATATCCACACACACAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGA	480
Db	421		
Qy	481	AATGCCCGGGCCCATCTTGGGTCAATGATGAGCTCGCCCTGCTGCTGCTCGCTTGT	540
Db	481		
Qy	541	GAGGGAAGGACATTAGAAAATGAATTCATGTGTTTCTTTAAAGAGTGGCAGGAAAAACAGA	600
Db	541		
Qy	601	TCCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTTGAAATGAAATCACAAAGTGAG	660
Db	601		
Qy	661	CATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTTTCACAGACATGCAACA	720
Db	661		
Qy	721	AACAAAATGGAATACTGTGTATGATCAGCAGCGCCAGCTGGGAGGAGATACCCAGGG	780
Db	721		
Qy	781	GCAGAGGTCAGGATTCGTGCCCTGTGCTCTAAACTGTGGCTTCATAACCAAAATCATTTTC	840
Db	781		
Qy	841	ATATTTCTAACCCCTCAAAAACAAGCTGTTGTATATCTGATCTCTACGGTTCCTTCTGGG	900
Db	841		
Qy	901	CCCAACATTTCCATATATCCAGCCACACTCTTTTTTAATATTTAGTTTCCAGATCTGTA	960
Db	901		
Qy	961	CTGTGACCTTTCTACACTGTAGATAACATTTACTCATTTTGTTCAAAAGACCTTCGTGTT	1020
Db	961		
Qy	1021	GCTGCCATAATGTPAGTGACTGTTTTTCTTAAGGAGTGTTCTGGCCAGGGGATCTGTG	1080
Db	1021		
Qy	1081	AACAGGCTGGAGACATCTCAAGATCTTTCCAGGGTTATACTTACTAGCACACAGCATGA	1140
Db	1081		
Qy	1141	TCATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGCCCATACTGAAAT	1200
Db	1141		
Qy	1201	TCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAAATGTCTCATTTAATATCACCA	1260
Db	1201		

Qy	1361	GGATTAACCTTTTTTTTTTTTAAACCTGGAAGAAATCAATGTTCATGCAGACTATGGGAATTTA	1320
Dδ	1361	GGATTAACCTTTTTTTTTTTTAAACCTGGAAGAAATCAATGTTCATGCAGACTATGGGAATTTA	1320
Qy	1321	ATTACATAATTTTGTTTTTCCAGTGCAGAAAGATGACTTAGTGCCCTTTATCCTCCCCTTTGTTTT	1380
Dδ	1321	ATTACATAATTTTGTTTTTCCAGTGCAGAAAGATGACTTAGTGCCCTTTATCCTCCCCTTTGTTTT	1380
Qy	1381	GATTTTTTTTTTCCAGTATAAAAAGTTAAAAATGCTTAGGCCCTTGTACTGAGGCTGTATACAGCAC	1440
Dδ	1381	GATTTTTTTTTTCCAGTATAAAAAGTTAAAAATGCTTAGGCCCTTGTACTGAGGCTGTATACAGCAC	1440
Qy	1441	AGCCTCTCCCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAACCCTCCCATACCAACCT	1500
Dδ	1441	AGCCTCTCCCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAACCCTCCCATACCAACCT	1500
Qy	1501	AAACAANAATCTAACTTGTAATTCCTTTGAAACATGTCAGGACATATATTTCCCTTTCTGCCT	1560
Dδ	1501	AAACAANAATCTAACTTGTAATTCCTTTGAAACATGTCAGGACATATATTTCCCTTTCTGCCT	1560
Qy	1561	GAGAAGCTCTTCCCTTGTCCTCTTAAATCTAGAAATGATGTAAGTTTTCGAAATAAGTTGACTA	1620
Dδ	1561	GAGAAGCTCTTCCCTTGTCCTCTTAAATCTAGAAATGATGTAAGTTTTCGAAATAAGTTGACTA	1620
Qy	1621	TCTTACTTCATGCAAGAAGGGACACATATGAGATTCTCATCAATGAGACAGACAGCAAATA	1680
Dδ	1621	TCTTACTTCATGCAAGAAGGGACACATATGAGATTCTCATCAATGAGACAGACAGCAAATA	1680
Qy	1681	CTAAAAGTGTAATTTGATTTATAGAGTTTAGATAAATATATGAAATCCAAGAGCCACAGA	1740
Dδ	1681	CTAAAAGTGTAATTTGATTTATAGAGTTTAGATAAATATATGAAATCCAAGAGCCACAGA	1740
Qy	1741	GGGAATGTTTTATGGGGCACGTTTGTAGAGCTGGGATCTGAAGCAAAAGCGAGGGAAACCTCA	1800
Dδ	1741	GGGAATGTTTTATGGGGCACGTTTGTAGAGCTGGGATCTGAAGCAAAAGCGAGGGAAACCTCA	1800
Qy	1801	TAGTATCTTATATAATACTTCAATTTCTCTATCTCTATCAATATCCAACCAAGCTTTT	1860
Dδ	1801	TAGTATCTTATATAATACTTCAATTTCTCTATCTCTATCAATATCCAACCAAGCTTTT	1860
Qy	1861	CACAGAATTCATGCAGTGCAAAATCCCAAGSTAAACCTTTATCCATTTCAATGTTAGTGTC	1920
Dδ	1861	CACAGAATTCATGCAGTGCAAAATCCCAAGSTAAACCTTTATCCATTTCAATGTTAGTGTC	1920
Qy	1921	GCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTCTCAACTTTGAGATGTGTTTGTCC	1980
Dδ	1921	GCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTCTCAACTTTGAGATGTGTTTGTCC	1980
Qy	1981	TTGTAGTTAAATGAAAGAAATAGGGCACTCTGTGAGCCACTTTAGGGTTCACTCTGTGC	2040
Dδ	1981	TTGTAGTTAAATGAAAGAAATAGGGCACTCTGTGAGCCACTTTAGGGTTCACTCTGTGC	2040
Qy	2041	AATTAAGAAATTTACAAAGAGCTACTCAGGACCGAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Dδ	2041	AATTAAGAAATTTACAAAGAGCTACTCAGGACCGAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGAGTATCATGCCAAAGTGTGCCCTCTCTCTCTGACCCATATATTTAGAC	2160
Dδ	2101	GTGTGTGTGTGAGTATCATGCCAAAGTGTGCCCTCTCTCTCTGACCCATATATTTAGAC	2160
Qy	2161	TTAAAAAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACATAT	2220
Dδ	2161	TTAAAAAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACATAT	2220
Qy	2221	CTCATTTATCTCCAGTAAATGTGATAATAATGTCTCTGTTAACATATAAANAAGTTTGAC	2280
Dδ	2221	CTCATTTATCTCCAGTAAATGTGATAATAATGTCTCTGTTAACATATAAANAAGTTTGAC	2280
Qy	2281	TTCAAAAAGCAGCTGGAAATGGACAACCAACATATGCATAAATCTAACTCTTACCATCA	2340
Dδ	2281	TTCAAAAAGCAGCTGGAAATGGACAACCAACATATGCATAAATCTAACTCTTACCATCA	2340
Qy	2341	GCTACACACTGCTTGACATATATTTGTAGAAGCACTTCGCAATTTGGGGTCTCTTAAAGC	2400

Db 2341 GCTACACACTGCTGACATATATTTGTAGAACACCTCGCATTTGTGGGTCTCTTAAGC 2400  
Qy 2401 AAAATACTTGCATTAGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460  
Db 2401 AAAATACTTGCATTAGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460  
Qy 2461 TTCTCAGCAGAACCGAATTTGAAATTCCTCTATCTTTTAGGAATCATTTACCAGGTTG 2520  
Db 2461 TTCTCAGCAGAACCGAATTTGAAATTCCTCTATCTTTTAGGAATCATTTACCAGGTTG 2520  
Qy 2521 GAGAGATTTCAGACACTCAGGTCCTTCACTATGCTCTGAACTTCTGTCCTCTTTG 2580  
Db 2521 GAGAGATTTCAGACACTCAGGTCCTTCACTATGCTCTGAACTTCTGTCCTCTTTG 2580  
Qy 2581 TGTTCATGATAGTCCAAATAAATATTTTGAACCTGATGCTCATAGGAGAGATA 2640  
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Qy 2641 TAAGAACTCTGAGTGATATCAACATTAGGGATTCAGAAATATTTAGCTCACA 2700  
Db 2641 TAAGAACTCTGAGTGATATCAACATTAGGGATTCAGAAATATTTAGCTCACA 2700  
Qy 2701 CTGGTCAGAAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTA 2760  
Db 2701 CTGGTCAGAAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTA 2760  
Qy 2761 GCCAACCAACAGCAGGAGCCCAACGATGCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820  
Db 2761 GCCAACCAACAGCAGGAGCCCAACGATGCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820  
Qy 2821 TCATGAGTTGAAATTCCTATTTAGGATGCTAGCTTCTGGCCATCTCTGCTCTCTTT 2880  
Db 2821 TCATGAGTTGAAATTCCTATTTAGGATGCTAGCTTCTGGCCATCTCTGCTCTCTTT 2880  
Qy 2881 GACACATATAGCTTCTAGGCTTGTCTCCACACTTTTATCTTTTCTCCACACATCGC 2940  
Db 2881 GACACATATAGCTTCTAGGCTTGTCTCCACACTTTTATCTTTTCTCCACACATCGC 2940  
Qy 2941 TTACCAATCTCTCTCTGCTCTGCTTGTGGAATTCCTCCACAGAAATTTCAACGACTCT 3000  
Db 2941 TTACCAATCTCTCTCTGCTCTGCTTGTGGAATTCCTCCACAGAAATTTCAACGACTCT 3000  
Qy 3001 CAAGTCTTTTCCATCCCAACCACTAACCTGAAT 3036  
Db 3001 CAAGTCTTTTCCATCCCAACCACTAACCTGAAT 3036

RESULT 2

US-09-685-166A-690  
; Sequence 690, Application US/09685166A  
; Patent No. 6630305  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
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; APPLICANT: Kalos, Michael D.  
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; APPLICANT: Retter, John W.  
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; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C21

; CURRENT APPLICATION NUMBER: US/09/685,166A  
; CURRENT FILING DATE: 2000-10-10  
; NUMBER OF SEQ ID NOS: 898  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-685-166A-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACAGAGAATAAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGT 60  
Db 1 ACAGAGAATAAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGT 60  
Qy 61 GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG 120  
Db 61 GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG 120  
Qy 121 GAATTACACACATATACCTTGTGTTTCAATGAAACCAAGATAAATAAGTGAAGACTA 180  
Db 121 GAATTACACACATATACCTTGTGTTTCAATGAAACCAAGATAAATAAGTGAAGACTA 180  
Qy 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGCTGGATCACCATCGACGGCACCTTTCTGAG 240  
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGCTGGATCACCATCGACGGCACCTTTCTGAG 240  
Qy 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300  
Db 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300  
Qy 301 GGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATGGAGATTAATTAACATC 360  
Db 301 GGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATGGAGATTAATTAACATC 360  
Qy 361 TAGAAACAGCAAGATGACAAATATATGTTCTTAAGTAGTGACATGTTTTTGCACATTTCCAG 420  
Db 361 TAGAAACAGCAAGATGACAAATATATGTTCTTAAGTAGTGACATGTTTTTGCACATTTCCAG 420  
Qy 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGA 480  
Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGA 480  
Qy 481 AATGCCCGCGCCCATCTTGGGTCTCAGTACGCTCGCCCTGCTGCTCCCGCTTGT 540  
Db 481 AATGCCCGCGCCCATCTTGGGTCTCAGTACGCTCGCCCTGCTGCTCCCGCTTGT 540  
Qy 541 GAGGGAAGGACATTTAGAAAAATGAAATTTGATGTTCTTAAAGGATGGGAGGAGAGATAACACGGG 600  
Db 541 GAGGGAAGGACATTTAGAAAAATGAAATTTGATGTTCTTAAAGGATGGGAGGAGAGATAACACGGG 600  
Qy 601 TCTGTTTGGATATTTTATTGAAACGGGATTAAGATTTGAAATGAAGTCAAAAGTGAG 660  
Db 601 TCTGTTTGGATATTTTATTGAAACGGGATTAAGATTTGAAATGAAGTCAAAAGTGAG 660  
Qy 661 CATTACCAATGAGGAGAAACAGAGAAATCTTGTGGCTTTCACAGACATGCAACA 720  
Db 661 CATTACCAATGAGGAGAAACAGAGAAATCTTGTGGCTTTCACAGACATGCAACA 720  
Qy 721 AACAAAAATGGAATACTGTGATGACATGAGGAGCCCAAGCTGGGGAGGAGATTAACACGGG 780  
Db 721 AACAAAAATGGAATACTGTGATGACATGAGGAGCCCAAGCTGGGGAGGAGATTAACACGGG 780  
Qy 781 GCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAAACTGTGGTTCATAACCAATCATTTTC 840  
Db 781 GCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAAACTGTGGTTCATAACCAATCATTTTC 840  
Qy 841 ATATTTCTTAACCTCATAACCAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGGG 900  
Db 841 ATATTTCTTAACCTCATAACCAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGGG 900

901 CCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA 960  
 Db CCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA 960  
 961 CTGTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTTTGTTCAAAGACCCTTCTGTGT 1020  
 Db CTGTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTTTGTTCAAAGACCCTTCTGTGT 1020  
 1021 GTGSCCTAATATGATGACTGTGTTTTTCTAAGGAGTGTTCTGGCCCAAGGGATCTGTG 1080  
 Db GTGSCCTAATATGATGACTGTGTTTTTCTAAGGAGTGTTCTGGCCCAAGGGATCTGTG 1080  
 1081 AACAGCTGGGAGCATCTCAAGATCTTCCAGGGTTATCTTACTAGCACACAGCATGA 1140  
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 1141 TCATTAAGGAGTGAATTTATCTAATCAACATCATCTCTCAGTGCTTTGCCCCACTTGAAAT 1200  
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 1201 TCATTTCCCACTTTTGTGCGCATCTCAAGACCTCAAAATGTCATTTCCATTAATATACACA 1260  
 Db TCATTTCCCACTTTTGTGCGCATCTCAAGACCTCAAAATGTCATTTCCATTAATATACACA 1260  
 1261 GGAATTAACCTTTTAACTCGGAGAAATTCATGTTACATGCAAGCTATGGGAATTTA 1320  
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 Db ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTT 1380  
 1381 GATTTTTTCCAGTATAAGTTAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCAC 1440  
 Db GATTTTTTCCAGTATAAGTTAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCAC 1440  
 1441 AGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAACCCCTCCCATACACCT 1500  
 Db AGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAACCCCTCCCATACACCT 1500  
 1501 AAAAATAATCTAACTTGTAAATCTTTGAAATCTGAGACATACATTAATCTCTGCT 1560  
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 Db GAGAAGCTCTCTCTCTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA 1620  
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 Db TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATGAGACAGCAAAATA 1680  
 1681 CTAAAGAGTGAATTTGATTAATAGAGTTTAGATAAAATATGAAATGCAAGAGCCACAGA 1740  
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 Db GGAATGTTTATGGGGCAGTTTGTAAAGCTGGGATGTAAGCAAAAGGAGGAACTCTCA 1800  
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 Db CACAGAAATTCATGAGTGAATTCCTCAAGAGTAACTTTATCTCAATTTCTGAGTGC 1920  
 1921 GCTTTAGAAATTTGGGCAATCATCTGCTGCTATCTCACTTTGAGATGTTGTTC 1980  
 Db GCTTTAGAAATTTGGGCAATCATCTGCTGCTATCTCACTTTGAGATGTTGTTC 1980

1981 TTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCACTTTAGGGTTCACTCTGTGC 2040  
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 2041 AATAAAGAATTTTACAAAGAGCTTCTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
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 2101 GT 2160  
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 3001 CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036  
 Db CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036



RESULT 3

US-09-679-426-690  
; Sequence 690, Application US/09679426  
; Patent No. 6759515

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-679-426-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ACAGAGAATAAGCAAGTCCGAGAGCTGGCATCAGAAAACACAGAGGGAGATTGTGT	60
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QY	61	GGCTGAGCGGAGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG	120
DB	61	GGCTGAGCGGAGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG	120
QY	121	GAATTAACAACATATACCTAGTGTCTTCAATGAACACCAAGATAAATAGTGAAGACTA	180
DB	121	GAATTAACAACATATACCTAGTGTCTTCAATGAACACCAAGATAAATAGTGAAGACTA	180
QY	181	GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCATTCTTGAG	240
DB	181	GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCATTCTTGAG	240
QY	241	TACTCAGTGCGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
DB	241	TACTCAGTGCGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
QY	301	GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAAATGGAGATTAATCAATCAC	360
DB	301	GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAAATGGAGATTAATCAATCAC	360
QY	361	TAGAAACAGCAAGATCACAATAATAGTCTCAAGTAGTGATCATGTTTTTGCACATTTCCAG	420
DB	361	TAGAAACAGCAAGATCACAATAATAGTCTCAAGTAGTGATCATGTTTTTGCACATTTCCAG	420
QY	421	CCCTTTAAATATCCACACACAGGAAGCAAAAAGGAGCAGACAGATCCCTGGGAGA	480
DB	421	CCCTTTAAATATCCACACACAGGAAGCAAAAAGGAGCAGACAGATCCCTGGGAGA	480
QY	481	AATGCCGGCGGCATCTTGGGTTCATGATGAGCCTCGCCCTGTGCTCGCTCGCTTGT	540
DB			

DB	481	AATGCCGGCGGCATCTTTGGGTTCATGATGAGCCTCGCCCTGTGCTGGTCCCGCTGT	540
QY	541	GAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGATGGGAGGAAAACAGA	600
DB	541	GAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGATGGGAGGAAAACAGA	600
QY	601	TCCTGTTGTGGATATTTTGAACCGGATTTACAGATTTTGAATGAAGTCAAAAGTGAG	660
DB	601	TCCTGTTGTGGATATTTTGAACCGGATTTACAGATTTTGAATGAAGTCAAAAGTGAG	660
QY	661	CATTACCAATGAGGAGAAACACAGAGAAAATCTTGATGGCTTCAACAGACATGAACA	720
DB	661	CATTACCAATGAGGAGAAACACAGAGAAAATCTTGATGGCTTCAACAGACATGAACA	720
QY	721	AACAAAATGGAATFATCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATAACACGGG	780
DB	721	AACAAAATGGAATFATCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATAACACGGG	780
QY	781	GCAGAGGTCAGGATTTCTGGCCCTGTGCTGCTAAACTGTGGGTTTCAATACCAATCATTTT	840
DB	781	GCAGAGGTCAGGATTTCTGGCCCTGTGCTGCTAAACTGTGGGTTTCAATACCAATCATTTT	840
QY	841	ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGG	900
DB	841	ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGG	900
QY	901	CCCAACATTTCTCCATATATCCAGCCACACCTCATTTTTTAATATTTAGTTCACAGATCTGA	960
DB	901	CCCAACATTTCTCCATATATCCAGCCACACCTCATTTTTTAATATTTAGTTCACAGATCTGA	960
QY	961	CTGTGACCTTTCTACCTGTAGAAATAACTACTCATTTTGTTCAAAGACCTTCGTGTT	1020
DB	961	CTGTGACCTTTCTACCTGTAGAAATAACTACTCATTTTGTTCAAAGACCTTCGTGTT	1020
QY	1021	GGTGCCTAATATGTAGTCTGCTGTTTCTTCTAAGGAGTCTCTGCGCCAGGGATCTGTG	1080
DB	1021	GGTGCCTAATATGTAGTCTGCTGTTTCTTCTAAGGAGTCTCTGCGCCAGGGATCTGTG	1080
QY	1081	AACAGGCTCGGAGCATCTCAAGATCTTTCAGGGTTATACCTTACTAGCACACAGCATGA	1140
DB	1081	AACAGGCTCGGAGCATCTCAAGATCTTTCAGGGTTATACCTTACTAGCACACAGCATGA	1140
QY	1141	TCATTACGAGTGAATTTACTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAT	1200
DB	1141	TCATTACGAGTGAATTTACTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAT	1200
QY	1201	TCATTTCCCACTTTTGTGCCCCATTCTCAAGACCTCAAAATGTCTTCCATTAATATACA	1260
DB	1201	TCATTTCCCACTTTTGTGCCCCATTCTCAAGACCTCAAAATGTCTTCCATTAATATACA	1260
QY	1261	GGATTAACCTTTTTTTTTTAAACCTGGAAGAAATTCATTTTACATGACAGCTATGGGAATTTA	1320
DB	1261	GGATTAACCTTTTTTTTTTAAACCTGGAAGAAATTCATTTTACATGACAGCTATGGGAATTTA	1320
QY	1321	ATTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT	1380
DB	1321	ATTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT	1380
QY	1381	GATTTTTTTTCCAGTATTAAGTTTAAATGCTTAGCCTGTAGCGGTGTATACAGCAC	1440
DB	1381	GATTTTTTTTCCAGTATTAAGTTTAAATGCTTAGCCTGTAGCGGTGTATACAGCAC	1440
QY	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTGATCAACCATCAACCCCTCCCATACCACT	1500
DB	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTGATCAACCATCAACCCCTCCCATACCACT	1500
QY	1501	AAACAAAATCTAATCTTGTAAATTCCTTGAAACATGTGAGGACATACATATTCCTTCTGCCT	1560
DB	1501	AAACAAAATCTAATCTTGTAAATTCCTTGAAACATGTGAGGACATACATATTCCTTCTGCCT	1560
QY	1561	GAGAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGAAGTTTGAATTAAGTTGACTA	1620
DB	1561	GAGAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGAAGTTTGAATTAAGTTGACTA	1620

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1801 TAGTATCTTATATAATATATCTTCAATTTCTATCTATCAAAATATCAAAAGCTTTT 1860  
1801 TAGTATCTTATATAATATATCTTCAATTTCTATCTATCAAAATATCAAAAGCTTTT 1860  
1861 CACAGAAATCATGCAAGTGAATTTCCCAAGGTAACCTTTATCCATTTTATGGTGAAGTGC 1920  
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1921 GCTTTAGAAATTTGGCAATCATCTGCTGCTTATCTCACTTATCTCACTTTGAGATGTTTGTGC 1980  
1921 GCTTTAGAAATTTGGCAATCATCTGCTGCTTATCTCACTTATCTCACTTTGAGATGTTTGTGC 1980  
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3001 CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036  
3001 CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036

RESULT 4  
US-09-759-143-690  
; Sequence 690, Application US/09759143  
; Patent No. 6800746  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, David C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C23  
; CURRENT APPLICATION NUMBER: US/09/759,143  
; CURRENT FILING DATE: 2001-01-12  
; NUMBER OF SEQ ID NOS: 934  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-759-143-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGAGAATAGCAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60  
DB 1 ACAGAGAATAGCAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60  
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361 TAGAAAACAGCAAGATGACAAATAATGTCTAAGTGTAGTGACATGTTTTTGCACATTTCCAG 420  
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541 GAGGGAAGGACATATAGAAAATGAATGTGTGTTTCTTAAAGGATGGCGAGGAAAACAGA 600  
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601 TCCGTGTGTGATATTTAATTTGAACGGGATACAGATTTGAAATGAAGTCAACAAGTGAG 660  
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661 CATTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGCTTCAAGACATGCAACA 720  
661 CATTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGCTTCAAGACATGCAACA 720  
721 AACAAAATGGAATPACTGTGATGATCATGAGCAGCAGCAAGCTGGGGAGGAGATAACACGGG 780  
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781 GCAGAGGTCAGGATCTCGCCCTGCTGCTGCTAACTGTGCTTCAATAACCAATCATTTTC 840  
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841 ATATTTCTAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGG 900  
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901 CCCAACATTTCTCCATATATCCAGCCACATCATTTTAAATATTTAGTTCCTCAGATCTGTA 960  
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961 CTGTGACCTTTCTACACTGTAGAAATAACATTTACTCTCAATTTGTTTCAAAAGCCCTTCGTGT 1020  
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1141 TCATTAAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAAT 1200  
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1201 TCATTTCCCATTTTGTGGCCATCTCAAGACCTCAAAATGTCAATTTCAATATATCACA 1260

1201 TCATTTCCCATTTTGTGGCCATTTCTCAAGACCTCAAAATGTCAATTCATTAATATCACA 1260  
1261 GGATTAACCTTTTTTTTTTAACTGGGAAGATTCAAATGTATACATGACAGCTATGGGAATTA 1320  
1261 GGATTAACCTTTTTTTTTTAACTGGGAAGATTCAAATGTATACATGACAGCTATGGGAATTA 1320  
1321 ATTACATAATTTTGTGTTTCCAGTGCAAAAGATGACTAAGTCTTTATCCCTCCCTTGTGTT 1380  
1321 ATTACATAATTTTGTGTTTCCAGTGCAAAAGATGACTAAGTCTTTATCCCTCCCTTGTGTT 1380  
1381 GATTTTTTCCAGTATAAAGTTTAAATGCTTTAGCCCTTGTACTGAGGCTGTATACAGCAC 1440  
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1441 AGCTCTCCCCATCCCTCCAGCCCTTATCTGTATCAACCACTCAACCCCTCCCATACCACT 1500  
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1501 AAACAAAATCTAATCTTGTAAATCTAGGAACATATGATTAATTTCTTCTGCT 1560  
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1621 TCTTACTCTCATGCAAAAGAGGACACATATGAGATTCATCATCAGATGAGACAGCAATA 1680  
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1681 CTAAAGTGTAAATTTAGATTAAGAGTTAGATAAATAATGAAATGCAAGAGCCACAGA 1740  
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1741 GGGAAATTTTGGGGCAGCTTTGTAAGCCTGGGATGTGAGCAAAAGGCGAGGAACTCA 1800  
1741 GGGAAATTTTGGGGCAGCTTTGTAAGCCTGGGATGTGAGCAAAAGGCGAGGAACTCA 1800  
1801 TAGTATCTTATATAATATATCTCTATCTCTATCTATCACAATATCACAAGCTTTT 1860  
1801 TAGTATCTTATATAATATATCTCTATCTCTATCTATCACAATATCACAAGCTTTT 1860  
1861 CACAGAAATTCAGCAGTGCAAAATCCCAAGGTAACTTTATCCATTTTCAATGTTGAGTGC 1920  
1861 CACAGAAATTCAGCAGTGCAAAATCCCAAGGTAACTTTATCCATTTTCAATGTTGAGTGC 1920  
1921 GCTTTAGAAATTTGGCAATCATCTGTTCACTTATCTCACTTTGAGATGTTTGTCC 1980  
1921 GCTTTAGAAATTTGGCAATCATCTGTTCACTTATCTCACTTTGAGATGTTTGTCC 1980  
1981 TTGTAGTTAAATGAAAGAAATAGGGCAGCTTTGTGAGCCACTTTAGGGTTCACTCTGGC 2040  
1981 TTGTAGTTAAATGAAAGAAATAGGGCAGCTTTGTGAGCCACTTTAGGGTTCACTCTGGC 2040  
2041 AATAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
2041 AATAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
2101 GT 2160  
2101 GT 2160  
2161 TTAACAAAGCAGCTGTTTCAAAATGGCAGCTATGAGCTGCAATGATGATCAACCAATAT 2220  
2161 TTAACAAAGCAGCTGTTTCAAAATGGCAGCTATGAGCTGCAATGATGATGATCAACCAATAT 2220  
2221 CTCATTTTCTCCAGTAAATGTGAATAATGTCAATGTCTGTAAACATAAATAAAGTTTGAC 2280  
2221 CTCATTTTCTCCAGTAAATGTGAATAATGTCAATGTCTGTAAACATAAATAAAGTTTGAC 2280  
2281 TTCAACAAAGCAGCTGGAATGGAATGGAACCAACCAATATGCAATCTAACTCTTACCATCA 2340  
2281 TTCAACAAAGCAGCTGGAATGGAATGGAACCAACCAATATGCAATCTAACTCTTACCATCA 2340

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QY 2341 GCTACACCTGCTTACATATATTTAGAGCACTCGCATTTGGGTTCTCTTAAGC 2400
Db 2341 GCTACACCTGCTTACATATATTTAGAGCACTCGCATTTGGGTTCTCTTAAGC 2400
QY 2401 AATAATCTTGCATTAGGTCTCAGCTGGGCTGTGCATCAGGGCGTTTGAGAAATATTCAA 2460
Db 2401 AATAATCTTGCATTAGGTCTCAGCTGGGCTGTGCATCAGGGCGTTTGAGAAATATTCAA 2460
QY 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCTCATCTTTTAGGAATCAATTTACAGGTTTG 2520
Db 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCTCATCTTTTAGGAATCAATTTACAGGTTTG 2520
QY 2521 GAGAGATTTCAGACAGCTCAGGCTTTCATTAATCTCTGAACTTCTGCTCCCTCTTTG 2580
Db 2521 GAGAGATTTCAGACAGCTCAGGCTTTCATTAATCTCTGAACTTCTGCTCCCTCTTTG 2580
QY 2581 TGTTTCATGATAGTCCAAATAAATATTTTGAATCTGTGAACTCATAGGAGAGAAATA 2640
Db 2581 TGTTTCATGATAGTCCAAATAAATATTTTGAATCTGTGAACTCATAGGAGAGAAATA 2640
QY 2641 TAAGAACTCTGAGTGATATCAACATTTAGGATTTCAAAGAAATATTTAGATTTAAGCTTCA 2700
Db 2641 TAAGAACTCTGAGTGATATCAACATTTAGGATTTCAAAGAAATATTTAGATTTAAGCTTCA 2700
QY 2701 CTGGTCAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCTCTCTGTGA 2760
Db 2701 CTGGTCAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCTCTCTGTGA 2760
QY 2761 GCCAACCAACAGCAGGAGCCCAACGCATGTCTGAGATCTTAAATCAAAGGAACCAAGTG 2820
Db 2761 GCCAACCAACAGCAGGAGCCCAACGCATGTCTGAGATCTTAAATCAAAGGAACCAAGTG 2820
QY 2821 TCATGAGTTGAATTCCTATTTATGAGATGCTAGCTTCTGCGCAATCTCTGCTCTCTCTT 2880
Db 2821 TCATGAGTTGAATTCCTATTTATGAGATGCTAGCTTCTGCGCAATCTCTGCTCTCTCTT 2880
QY 2881 GACACATATAGCTTCTAGCTTGTCTCCAGACTTTTATCTTTCTCCACACATCGC 2940
Db 2881 GACACATATAGCTTCTAGCTTGTCTCCAGACTTTTATCTTTCTCCACACATCGC 2940
QY 2941 TTACCAATCTCTCTCTGCTCTGCTTTGGATTTCCCAAGAAATTTCAACGACTCT 3000
Db 2941 TTACCAATCTCTCTCTGCTCTGCTTTGGATTTCCCAAGAAATTTCAACGACTCT 3000
QY 3001 CAAGTCTTTCTTCATTCCTCCACCACTAACCTGAAT 3036
Db 3001 CAAGTCTTTCTTCATTCCTCCACCACTAACCTGAAT 3036

```

RESULT 5

US-09-651-236-690  
; Sequence 690, Application US/09651236  
; Patent No. 6818751

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yuqi  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Panger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John H.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darriack  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18  
; CURRENT APPLICATION NUMBER: US/09/651,236  
; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-651-236-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGT 60
Db 1 ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGT 60
QY 61 GGTCTGCGCGGAGGAGACAGAGAGATCTGATGCTGGGAAGGACCTGATGATACAGAG 120
Db 61 GGTCTGCGCGGAGGAGACAGAGAGATCTGATGCTGGGAAGGACCTGATGATACAGAG 120
QY 121 GAATTACAACACATATATCTTAGTGTTCATGAACACCAAGATTAATAAGTGAAGACTA 180
Db 121 GAATTACAACACATATATCTTAGTGTTCATGAACACCAAGATTAATAAGTGAAGACTA 180
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGATCAACCATCGACGGCATTCTTGAG 240
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGATCAACCATCGACGGCATTCTTGAG 240
QY 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAA 300
Db 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAA 300
QY 301 GGTCTGCTGACTTTACCATCTGAGGGCCACACATCTGCTGAAATGGAGATTAATAACATC 360
Db 301 GGTCTGCTGACTTTACCATCTGAGGGCCACACATCTGCTGAAATGGAGATTAATAACATC 360
QY 361 TAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATGTTTTGACACATTTCCAG 420
Db 361 TAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATGTTTTGACACATTTCCAG 420
QY 421 CCCCTTTAATATCCACACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
Db 421 CCCCTTTAATATCCACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
QY 481 AATGCCCGCGCCCATCTTTGGGTCTATCGATGAGCCCTCGCCCTGTGCTCCGCTTGT 540
Db 481 AATGCCCGCGCCCATCTTTGGGTCTATCGATGAGCCCTCGCCCTGTGCTCCGCTTGT 540
QY 541 GAGGGAAGGACATTTAGAAAATGAATTTGAAACGGGATTTACAGATTTGAAATGAAGTCA 600
Db 541 GAGGGAAGGACATTTAGAAAATGAATTTGAAACGGGATTTACAGATTTGAAATGAAGTCA 600
QY 601 TCTGTGTGGGATATTTATTGAAACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660
Db 601 TCTGTGTGGGATATTTATTGAAACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660
QY 661 CATTACCAATGAGAGGAAACACAGACAGAAAATCTTTGATGGCTTCAAGACATGCAACA 720
Db 661 CATTACCAATGAGAGGAAACACAGACAGAAAATCTTTGATGGCTTCAAGACATGCAACA 720
QY 721 AACAAATGGAATACGTGTGATGACATGAGCGCCAGCTGGGGAGAGATTAACCCAGGG 780
Db 721 AACAAATGGAATACGTGTGATGACATGAGCGCCAGCTGGGGAGAGATTAACCCAGGG 780
QY 781 GCAGAGGGTCAGGATTTCTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 781 GCAGAGGGTCAGGATTTCTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
QY 841 ATATTTCTAACCCCTCAAAAACAAAGCTGTTGTTAATATCTGATCTCTACGGTTCCTCTGGG 900

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[illegible]

Db	1921	GCTTTAGAAATTTTGGGCAAAATCACTACCTGGTGCACCTTATCTCTCAACTTTTGAGATGTGTGTGTCTC	1981
Qy	1981	TTGTAGTTAAATTTGAAAGAAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGC	2040
Db	1981	TTGTAGTTAAATTTGAAAGAAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGC	2040
Qy	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTTGTTAAAGAGCTCTGTGTGTGTGTGT	2100
Db	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTTGTTAAAGAGCTCTGTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTTGCACCAATTTATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTTGCACCAATTTATTTTCAGAC	2160
Qy	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACCATAT	2220
Db	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACCATAT	2220
Qy	2221	CTCATTTATTTCTCAGTTAAATTTGATTAATAATGTCATCTGTGTAAATTTGAAAAAGTTTGTAC	2280
Db	2221	CTCATTTATTTCTCAGTTAAATTTGATTAATAATGTCATCTGTGTAAATTTGAAAAAGTTTGTAC	2280
Qy	2281	TTCAAAAAGCAGCTGGAAATGCAACCAACCAATATGTCATAAATCTTAACTCTCTTACCATCA	2340
Db	2281	TTCAAAAAGCAGCTGGAAATGCAACCAACCAATATGTCATAAATCTTAACTCTCTTACCATCA	2340
Qy	2341	GCTACACACTGCTTGACATATATTTGTAGAACACCTCGCATTTGTGGGTCTCTTTAAAGC	2400
Db	2341	GCTACACACTGCTTGACATATATTTGTAGAACACCTCGCATTTGTGGGTCTCTTTAAAGC	2400
Qy	2401	AAAATACTTGCAATTAGTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA	2460
Db	2401	AAAATACTTGCAATTAGTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA	2460
Qy	2461	TTCTCAGCAGACGCCAGAAATTTGAAATTCCTCATCTTTTAGGAAATCATTTTACCAGGTTTG	2520
Db	2461	TTCTCAGCAGACGCCAGAAATTTGAAATTCCTCATCTTTTAGGAAATCATTTTACCAGGTTTG	2520
Qy	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTCTCTGCTCCTCTTTG	2580
Db	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTCTCTGCTCCTCTTTG	2580
Qy	2581	TGTTCTAGGATGTCCAAATAAATAATGTTATCTTTGAACTGTATGTCTCATAGGAGAGAATA	2640
Db	2581	TGTTCTAGGATGTCCAAATAAATAATGTTATCTTTGAACTGTATGTCTCATAGGAGAGAATA	2640
Qy	2641	TAAAGACTCTGAGTGATATCAACATTAGGGATTCAAAGAAATATTAGATTTAAGCTCACA	2700
Db	2641	TAAAGACTCTGAGTGATATCAACATTAGGGATTCAAAGAAATATTAGATTTAAGCTCACA	2700
Qy	2701	CTGCTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCTGCTGCCCATCTCTGTGA	2760
Db	2701	CTGCTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCTGCTGCCCATCTCTGTGA	2760
Qy	2761	GCCACAACCAACGACGAGGCCAACGCATGTCTGAGATCCTTTAAATCAAGGAAACCAAGTG	2820
Db	2761	GCCACAACCAACGACGAGGCCAACGCATGTCTGAGATCCTTTAAATCAAGGAAACCAAGTG	2820
Qy	2821	TCATGAGTTGAAATCTCTCTATTTAGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT	2880
Db	2821	TCATGAGTTGAAATCTCTCTATTTAGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT	2880
Qy	2881	GACACATATTAGCTTCTAGCTTTGCTTCCACGACTTTTATCTTTTCTCCAAACACATCGC	2940
Db	2881	GACACATATTAGCTTCTAGCTTTGCTTCCACGACTTTTATCTTTTCTCCAAACACATCGC	2940
Qy	2941	TTACCAATCTCTCTCTGTCTTGTGACTTTCCCAACAGAAATTTCAACGACTCT	3000
Db	2941	TTACCAATCTCTCTCTGTCTTGTGACTTTCCCAACAGAAATTTCAACGACTCT	3000
Qy	3001	CAAGTCTTTTCTTCCATCCCAACCACTTAACCTGAAT	3036
Db	3001	CAAGTCTTTTCTTCCATCCCAACCACTTAACCTGAAT	3036

RESULT 6  
 US-09-439-313-468  
 ; Sequence 468, Application US/09439313  
 ; Patent No. 6329505  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitchell, Jennifer L.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang Yuqu  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Kalos, Michael  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Retter, Mark  
 ; APPLICANT: Solk, John  
 ; APPLICANT: Day, Craig  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ; FILE REFERENCE: 210121.427C9  
 ; CURRENT APPLICATION NUMBER: US/09/439,313  
 ; CURRENT FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 575  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 468  
 ; LENGTH: 3112  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-439-313-468

Query Match 38.1%; Score 1364; DB 3; Length 3112;  
 Best Local Similarity 99.8%; Pred. NO. 0;  
 Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY	285	GGTGAGAAATAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	344
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QY	345	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTAAAGTAGACATGT	404
DB	1373	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTAAAGTAGACATGT	1432
QY	405	TTTTGCACATTTCCAGCCCTTTAATATATCCACACACAGGAGACACAAAGGAGCAC	464
DB	1433	TTTTGCACATTTCCAGCCCTTTAATATATCCACACACAGGAGACACAAAGGAGCAC	1492
QY	465	AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTCATCGATGAGCCTCGCCCTGT	524
DB	1493	AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTCATCGATGAGCCTCGCCCTGT	1552
QY	525	GCCTGTCCCGCTGTGAGGAAAGGACATTAAGAAATGAATGATGTGTTCTTAAAGGA	584
DB	1553	GCCTGTCCCGCTGTGAGGAAAGGACATTAAGAAATGAATGATGTGTTCTTAAAGGA	1612
QY	585	TGGGACAGGAAACAGATCCTGTTGCGATATTTATTGAACGGATTACAGATTTCGAAT	644
DB	1613	TGGGACAGGAAACAGATCCTGTTGCGATATTTATTGAACGGATTACAGATTTCGAAT	1672
QY	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT	704
DB	1673	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT	1732
QY	705	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCTGGGG	764
DB	1733	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCTGGGG	1792
QY	765	AGGAGATACACGGGCGAGGGTCAGGATTCGGCCCTGCTGCTTAACTGTGCGTTC	824
DB	1793	AGGAGATACACGGGCGAGGGTCAGGATTCGGCCCTGCTGCTTAACTGTGCGTTC	1852
QY	825	ATAACCAAAATCATTTATATTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	884

DB	1853	ATAACCAAAATCATTTATATTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	1912
QY	885	TACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCATTTTAAATATTT	944
DB	1913	TACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCATTTTAAATATTT	1972
QY	945	AGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACATTAATCTTTGTTTC	1004
DB	1973	AGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACATTAATCTTTGTTTC	2032
QY	1005	AAAGACCTTTCGTGTGCTTAATATGATGATGATGATGATGATGATGATGATGATGATGATG	1064
DB	2033	AAAGACCTTTCGTGTGCTTAATATGATGATGATGATGATGATGATGATGATGATGATGATG	2092
QY	1065	GCCGAGGGATCTGTGACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATATCTTA	1124
DB	2093	GCCGAGGGATCTGTGACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATATCTTA	2152
QY	1125	CTAGCACACAGCATGATCATTAACGGAGTGAATTAATCAATCAACATCACTCCTCAGTGTCT	1184
DB	2153	CTAGCACACAGCATGATCATTAACGGAGTGAATTAATCAATCAACATCACTCCTCAGTGTCT	2212
QY	1185	TTGCCCATATCAAAATTCATTTCCCACTTTGTGCTGATCTCAAGACCTCAAAATGTCA	1244
DB	2213	TTGCCCATATCAAAATTCATTTCCCACTTTGTGCTGATCTCAAGACCTCAAAATGTCA	2272
QY	1245	TTCCATTAATATCAAGGATTAACCTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT	1304
DB	2273	TTCCATTAATATCAAGGATTAACCTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT	2332
QY	1305	CAGCTATGGAATTTAAATTAACATATTTTGTTCAGTCCAAAGATGACTAAAGTCTCTTTA	1364
DB	2333	CAGCTATGGAATTTAAATTAACATATTTTGTTCAGTCCAAAGATGACTAAAGTCTCTTTA	2392
QY	1365	TCCTCCCTTCTGTTGATTTTTCAGTATAAAGTTAAATGCTTGAAGCTTGTACTG	1424
DB	2393	TCCTCCCTTCTGTTGATTTTTCAGTATAAAGTTAAATGCTTGAAGCTTGTACTG	2452
QY	1425	AGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAA	1483
DB	2453	AGGCTGTATACAGCAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAA	2512
QY	1484	CCCTCCCATACACCTAAACAAATCTAACTTTGTAATTTCTTTGAAATCTGTGAGGACATA	1543
DB	2513	CCCTCCCAT-GCACCTAAACAAATCTAACTTTGTAATTTCTTTGAAATCTGTGAGGACATA	2570
QY	1544	CATTATTCCTTCTGCTGAGAAAGCTTCTCCTTGTCTCTTTAAATCTTGAATGATGATGAAGT	1603
DB	2571	CATTATTCCTTCTGCTGAGAAAGCTTCTCCTTGTCTCTTTAAATCTTGAATGATGATGAAGT	2630
QY	1604	TTTGAATAGTTGACTATCTTACTTCTCATGAAAGGACACATATGAGATTCATCATC	1663
DB	2631	TTTGAATAGTTGACTATCTTACTTCTCATGAAAGGACACATATGAGATTCATCATC	2690
QY	1664	ACATGAGACAGCAAAATPACTTAAAGTGTAATTTGATTTATAGAGTTTATAGATAATATGA	1723
DB	2691	ACATGAGACAGCAAAATPACTTAAAGTGTAATTTGATTTATAGAGTTTATAGATAATATGA	2750
QY	1724	AATGCAAGACGACAGAGGAAATGTTTATGAGGACAGTTTGAAGCTGGGATGTGAAGC	1783
DB	2751	AATGCAAGACGACAGAGGAAATGTTTATGAGGACAGTTTGAAGCTGGGATGTGAAGC	2810
QY	1784	AAAGCAGGAAACCTCATAGTATCTTATATATATATATCTTCTCTCTCTCTCTCTCTCTCT	1843
DB	2811	AAAGCAGGAAACCTCATAGTATCTTATATATATATATCTTCTCTCTCTCTCTCTCTCTCT	2870
QY	1844	ATATCAACAAAGCTTTTCAAGAAATTCATGAGTGAATTCCTCCAAAGGTAACCTTTATC	1903
DB	2871	ATATCAACAAAGCTTTTCAAGAAATTCATGAGTGAATTCCTCCAAAGGTAACCTTTATC	2930
QY	1904	CATTATTCAGTGTGAGTGTGCTTTTGAATTTTGGCAATTCATCTGTGCTATCTCAACT	1963
DB	2931	CATTATTCAGTGTGAGTGTGCTTTTGAATTTTGGCAATTCATCTGTGCTATCTCAACT	2990



QY 1964 TTGAGATGTTGTTGCTTCTGTTAGTTAATTGAAGAAATAGGCGACTCTTGTGAGCCACTT 2023  
 Db 2991 TTGAGATGTTGTTGCTTCTGTTAGTTAATTGAAGAAATAGGCGACTCTTGTGAGCCACTT 3050  
 QY 2024 TAGGGTTCACTCTCGGCAATAAAGAAATTTCAAGAGC 2061  
 Db 3051 TAGGGTTCACTCTCGGCAATAAAGAAATTTCAAGAGC 3088

RESULT 7

US-09-352-616A-468  
 ; Sequence 468, Application US/09352616A  
 ; Patent No. 6395278  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang, Yuqi  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Mitcham, Jennifer Lynn  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 ; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCES: 210121.427C8  
 ; CURRENT APPLICATION NUMBER: US/09/352,616A  
 ; CURRENT FILING DATE: 1999-07-13  
 ; NUMBER OF SEQ ID NOS: 472  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 468  
 ; LENGTH: 3112  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-352-616A-468

Query Match 38.1%; Score 1364; DB 3; Length 3112;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGG 344  
 Db 1313 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGG 1372  
 QY 345 AGATAATTAAATCACTAGAGAAAGCAAGATGATCAATATTAATCTTAAGTAGTACATGT 404  
 Db 1373 AGATAATTAAATCACTAGAGAAAGCAAGATGATCAATATTAATCTTAAGTAGTACATGT 1432  
 QY 405 TTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAGACACAAAGAGGAC 464  
 Db 1433 TTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAGACACAAAGAGGAC 1492  
 QY 465 AGAGATCCCTGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCCCTGT 524  
 Db 1493 AGAGATCCCTGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCCCTGT 1552  
 QY 525 GCTGTGCTCCGCTGTGAGGAGGAGCATTTAGAAATGAATGATGTCTTAAAGGA 584  
 Db 1553 GCTGTGCTCCGCTGTGAGGAGGAGCATTTAGAAATGAATGATGTCTTAAAGGA 1612  
 QY 585 TGCGCAGGAAACAGATCTCTGTTGTGGATATTTATTGAACGGGATTAACAGATTTCGAAT 644  
 Db 1613 TGCGCAGGAAACAGATCTCTGTTGTGGATATTTATTGAACGGGATTAACAGATTTCGAAT 1672  
 QY 645 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTGAATGGCTT 704  
 Db 1673 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTGAATGGCTT 1732  
 QY 705 CACACACATGCAACAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 764  
 Db 1733 CACACACATGCAACAAACAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 1792  
 QY 765 AGGAGATAACACGGGCGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGTGCTGCTC 824  
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 Db 1913 TAGGGTTCTTCTGCGGCCCAACATTTCCATATATCCAGCCACACATCATTTTAAATATTT 1972  
 QY 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATACATTTACTCATTTTGTTC 1004  
 Db 1973 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATACATTTACTCATTTTGTTC 2032  
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 Db 2033 AAAGACCTTCTGTTGCTGCTGCTTAATATGTAGCTGACTGTTTCTTCCAGAGGTTGTTCTG 2092  
 QY 1065 GCCCAGGGATCTGTCAAGAGGCTGGAAGCATCTCAAGATCTTCCAGGGTTATACCTTA 1124  
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 Db 2153 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCTCAGTGTCT 2212  
 QY 1185 TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA 1244  
 Db 2213 TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA 2272  
 QY 1245 TTCCATTAATATCACAGGATTAACCTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 1304  
 Db 2273 TTCCATTAATATCACAGGATTAACCTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 2332  
 QY 1305 CAGCTATGGGAATTTAAATTTACATATTTTCTTCCAGTGCAGGATGACTAAGTCTCTTTA 1364  
 Db 2333 CAGCTATGGGAATTTAAATTTACATATTTTCTTCCAGTGCAGGATGACTAAGTCTCTTTA 2392  
 QY 1365 TCCTCCCTTTGTTGTTGTTTTCAGATATAAAGTTAAATGTTAGCTTTGACTG 1424  
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 Db 2631 TTTGATATAGTTGACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2690  
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 Db 2871 ATATCCAAACAGCTTTTACAGAAATTCATGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2930  
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Db 2991 TTGAGATGTTGTTGCTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCACTT 3050
Qy 2024 TAGGGTTCACTCTGCGCAATTAAGAATTTACAAGAGC 2061
Db 3051 TAGGGTTCACTCTGCGCAATTAAGAATTTACAAGAGC 3088

RESULT 8
US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John H.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468

Query Match 38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

Qy 285 GGTGAGAAATAGAAAGGCTGTGACTTTACCAATCTGAGGCCACACATCTGCTGAAATGG 344
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Qy 525 GCCTGTCCTGGTGTGAGGAGGACATTTAGAAATGAATTCATGTTCTCTTAAAGGA 584
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Db 2691 ACATGAGACAGCAATACTAAAAGTGAATTTGATTAAGAGTTTAAAGTAAATATGA 2750
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QY 1425 AGGCTGTATACAG-CACAGCCTCTCCCATCTCCAGCCTTATCTGTCATACACCATCAA 1483
Db 2453 AGGCTGTATACAGCAGAGCCTCTCCCATCTCCAGCCTTATCTGTCATACACCATCAA 2512
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Db 2513 CCCTCCCAT-GCACCTTAACAAAATCTAATCTTGAATTCCTTTGAACATGTCAGG-CATA 2570
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QY 1904 CATTTCAATGAGTGGCTTTAGAAATTTTGGCAATCATATGTCATCTTATCTCAACT 1963
Db 2931 CATTTCAATGAGTGGCTTTAGAAATTTTGGCAATCATATGTCATCTTATCTCAACT 2990
QY 1964 TTGAGATGTTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2023
Db 2991 TTGAGATGTTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3050
QY 2024 TAGGGTTCACTCTCTGCAATTAAGAAATTTTACAAAGAGC 2061
Db 3051 TAGGGTTCACTCTCTGCAATTAAGAAATTTTACAAAGAGC 3088
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## RESULT 11

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US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
```

```
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCAATCTGAGGCCACACATCTGCTGAAATGG 344
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Db 1373 AGATAATTAACATCACTAGAAAAGCAGCAAGATGACATATAATGTCTAAGTAGTGACATGT 1432
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Db 1433 TTTTGACATATTTCCAGCCCTTTTAAATATCCACACACACAGGAGCAGCAAAAGAGGACAC 1492
QY 465 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 524
Db 1493 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 1552
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Db 1613 TGGCAGGAAAAACAGATCTCTTGTGGATATTTATTTGAACGGGATTAACAGATTGAAT 1672
QY 645 GAAGTCACAAAGTGAGCATTACCAATGAGAGGAAGAAACACAGAGAAATCTTCATGGCTT 704
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QY 825 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 884
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Db 1913 TACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACATCATTTTAAATATT 1972
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Db 1973 AGTCCCAAGATCTGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTATTGTTTC 2032
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Qy	1964	TTGAGATGTTGTTGCTCTTCTAGTAAATGAAGAAATAGGCACTCTTGTGAGCCACTT	2023
Db	2991	TTGAGATGTTGTTGCTCTTCTAGTAAATGAAGAAATAGGCACTCTTGTGAGCCACTT	3050
Qy	2024	TAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGAGC	2061
Db	3051	TAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGAGC	3088
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US-09-439-313-470/c			
; Sequence 470, Application US/09439313			
; Patent No. 6329505			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan Louise			
; APPLICANT: Jiang Yuqui			
; APPLICANT: Reed, Steven G.			
; APPLICANT: Kalos, Michael			
; APPLICANT: Fanger, Gary			
; APPLICANT: Retter, Mark			
; APPLICANT: Solk, John			
; APPLICANT: Day, Craig			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND			
; FILE REFERENCE: 210121.427C9			
; CURRENT APPLICATION NUMBER: US/09/439,313			
; CURRENT FILING DATE: 1999-11-12			
; NUMBER OF SEQ ID NOS: 575			
; SOFTWARE: Fast-SEQ for Windows Version 3.0			
; SEQ ID NO 470			
; LENGTH: 2426			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-439-313-470			
Query Match 37.9%; Score 1357; DB 3; Length 2426;			
Best Local Similarity 99.8%; Pred. No. 0;			
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;			
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Db 1349 CACAAGACATGCAACAAACAAAATGGAATATCTGTGATCATGAGGAGCAGCAAGCTGGGG 1290
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Db 1229 ATAACCAAAATCAATTTCAATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCTC 1170
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Db 1169 TAGGGTTCTTCTGGGGCCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATATT 1110
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Db 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGATAACATTTACTCAATTTTGTTC 1050
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US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
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 Job time : 581.223 secs



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Searched: 5615251 seqs, 3030001701 residues

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Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

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- 22: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	3036	84.8	3923	9	US-09-822-827-690
4	3036	84.8	3923	9	US-09-895-793-690
5	3036	84.8	3923	9	US-09-895-814-690
6	3036	84.8	3923	13	US-10-012-896-690
7	3036	84.8	3923	15	US-10-205-823-316
8	3036	84.8	3923	16	US-10-144-678A-690
9	3036	84.8	3923	16	US-10-294-025-690
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11	1364	38.1	3112	9	US-09-780-669-468

12	1364	38.1	3112	9	US-09-822-827-468	Sequence 468, App
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16	1364	38.1	3112	14	US-10-010-940-468	Sequence 468, App
17	1364	38.1	3112	16	US-10-144-678A-468	Sequence 468, App
18	1364	38.1	3112	16	US-10-294-025-468	Sequence 468, App
c 19	1364	38.1	3112	9	US-09-759-143-470	Sequence 470, App
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c 23	1357	37.9	2426	9	US-09-895-814-470	Sequence 470, App
c 24	1357	37.9	2426	13	US-10-012-896-470	Sequence 470, App
c 25	1357	37.9	2426	14	US-10-010-940-470	Sequence 470, App
c 26	1357	37.9	2426	15	US-10-205-823-448	Sequence 448, App
c 27	1357	37.9	2426	16	US-10-144-678A-470	Sequence 470, App
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c 36	1123	31.4	2229	16	US-10-144-678A-469	Sequence 469, App
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c 38	738	20.6	876	10	US-09-957-708-3	Sequence 3, Appli
c 39	720	20.1	812	9	US-09-759-143-471	Sequence 471, App
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c 41	720	20.1	812	9	US-09-822-827-471	Sequence 471, App
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c 44	720	20.1	812	13	US-10-012-896-471	Sequence 471, App
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## ALIGNMENTS

RESULT 1  
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; Patent No. US20020022248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun C.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqul  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C23  
; CURRENT APPLICATION NUMBER: US/09/759,143  
; CURRENT FILING DATE: 2001-01-12  
; NUMBER OF SEQ ID NOS: 934  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-759-143-690





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Db 2821 TCATGAGTTGAAATTCCTATTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTTT 2880

Qy 2881 GACACATATAGCTTCTAGCCTTTGCTTCCAGCATTTTATCTTTTCTCCAAACATGCG 2940

Db 2881 GACACATATAGCTTCTAGCCTTTGCTTCCAGCATTTTATCTTTTCTCCAAACATGCG 2940

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Qy 3001 CAAGTCTTTTCTCCATCCCAACCACTAACCTGAAT 3036

Db 3001 CAAGTCTTTTCTCCATCCCAACCACTAACCTGAAT 3036

RESULT 3

US-09-822-827-690

; Sequence 690, Application US/09822827

; Patent No. US20020081680A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121-534C1

; CURRENT APPLICATION NUMBER: US/09/822, 827

; CURRENT FILING DATE: 2001-03-28

; NUMBER OF SEQ ID NOS: 982

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-822-827-690

Query Match 84.8%; Score 3036; DB 9; Length 3923;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAAGAAACAGAGGGAGATTGTGT 60

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Db 61 GGTGCGAGCGGAGGAGACAGCAAGATCTGATGCTGGAGGAGCTGATGATACAGAG 120

Qy 121 GAATTACAAACATATATCTAGTGTTCATGAAACACCAAGATAAATAGTGAAGAGCTA 180

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Qy 301 GGTGCTGTACTTTACCATCTGAGGCGACACATCTGCTGAAATCGAGATAAATTAACATCAC 360

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Db	1621	TC TTTCATGCBAAGGGGACACATATGAGATTCCATCATCACATGAGCAGCAATA	1680	
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Db	1681	CTAAAA	GTGTAAATTTTGATTTAAGAGTTTAGATAAAAATATATGAATGCCAAGAGCCACAGA	1740
Qy	1741	GGGAA	TGTTTATGGGGCAGCTTTGTGAAGCTTGGGATGTGAAGCAAAGCGCAGGAACTCA	1800
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Qy	1801	TAGTAT	CTTTATATAATATATCTCAATTTCTCTATCTCTATCACAAATATCCAACAGCTTTT	1860
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Db	1861	CACAGA	ATTTCATGCAGTGCAAAATCCCCAAAGGTAACTTTTATCCATTTCAATGCTGAGTGC	1920
Qy	1921	GC TTTAGAA	TTTTGGCAAAATCATCTGGTCACTTATCTCAACTTTGAGATGTGTTGTGTC	1980
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Qy	1981	TTGTAG	TTAATGAAAGATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAG	TTAATGAAAGATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCTGGC	2040
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Db	2041	AATAA	GAAATTTTACAAGAGCTACTCAGGACCAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Qy	2101	GTGTGT	GTGTGAGTGATGCATGCCAAAGTGTGCCTCTCTCTTTGACCCATTTATTCAGAC	2160
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Qy	2221	CTCATT	ATTTCCAGTAAATGTGAATAATATGTCTGTCTCTTTGACCCATTTATTCAGAC	2280
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Db	2281	TTCAAAA	AGCAGCTGGAAATGGACACCAACAATATGCATAAAATCTAACTCTCTAACCA	2340
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Qy	2401	AAAATA	CTTCCATTTAGTCTCAGCTGGGCTGTGCATCAGCGGTTTGAGAAATATTTCAA	2460
Db	2401	AAAATA	CTTCCATTTAGTCTCAGCTGGGCTGTGCATCAGCGGTTTGAGAAATATTTCAA	2460
Qy	2461	TTCTCAG	CAGAAGCCAGAAATTTGAAATTTCCCTCATCTTTTAGGAATCATTTTACAGGTTTG	2520
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Db	2521	GAGAGG	ATTCAGACAGCTCAGGCTGTTTCAATAATGTCTCTGAACTTTCTGCTCCTCTTTG	2580
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Db	2581	TGTTCA	TGGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGATA	2640
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2701	Db	CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTCTCATCGTCCCATCTCTGTGA	2760	
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## RESULT 4

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US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

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Query Match 84.8%; Score 3036; DB 9; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATATCTTACTAGCACACAGCATGA 1140  
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 Db 2341 GCTACACACTGCTTGACATATATTTAGAGCACTCGCATTTGGGTTCTCTTAAGC 2400  
 QY 2401 AAAATCTTGCATTAGCTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAATAATTCAA 2460  
 Db 2401 AAAATCTTGCATTAGCTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAATAATTCAA 2460  
 QY 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTGAATCAATTTACCAGTTTG 2520  
 Db 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTGAATCAATTTACCAGTTTG 2520  
 QY 2521 GAGAGATTGACAGACTCAGGTGCTTCACTAATGCTCTGAACTTCTGTCCTCTTTTG 2580  
 Db 2521 GAGAGATTGACAGACTCAGGTGCTTCACTAATGCTCTGAACTTCTGTCCTCTTTTG 2580  
 QY 2581 TGTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA 2640  
 Db 2581 TGTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA 2640  
 QY 2641 TAAGAACTCTGAGTGATATCAACATTTAGGGAATTTCAAGAAATATTTAGATTTAAGCTCACA 2700  
 Db 2641 TAAGAACTCTGAGTGATATCAACATTTAGGGAATTTCAAGAAATATTTAGATTTAAGCTCACA 2700  
 QY 2701 CTGGTCAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA 2760  
 Db 2701 CTGGTCAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA 2760  
 QY 2761 GCCAACCAACAGCAGGAGCCCAACGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820  
 Db 2761 GCCAACCAACAGCAGGAGCCCAACGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820  
 QY 2821 TCATGAGTTGAAATTCCTTATATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880  
 Db 2821 TCATGAGTTGAAATTCCTTATATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880  
 QY 2881 GACATATATAGCTTCTAGCTTTGCTTCCACGACTTTTATCTTTTCTTCCACACATCGC 2940  
 Db 2881 GACATATATAGCTTCTAGCTTTGCTTCCACGACTTTTATCTTTTCTTCCACACATCGC 2940  
 QY 2941 TTACCAATCTCTCTGCTGCTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000  
 Db 2941 TTACCAATCTCTCTGCTGCTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000  
 QY 3001 CAACTCTTTTCTTCCATCCCAACCACTTAACCTGAAT 3036  
 Db 3001 CAACTCTTTTCTTCCATCCCAACCACTTAACCTGAAT 3036

RESULT 5

US-09-895-814-690  
 ; Sequence 690, Application US/09895814  
 ; Publication No. US20020193296A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqiu  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel X.  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William T.  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Hural, John  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Houghton, Raymond L.  
 ; APPLICANT: Vinals de Bassols, Carlota  
 ; APPLICANT: Foy, Teresa  
 ; APPLICANT: Fanger, Gary R.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C26  
 ; CURRENT APPLICATION NUMBER: US/09/895,814  
 ; CURRENT FILING DATE: 2001-06-29  
 ; NUMBER OF SEQ ID NOS: 990  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-895-814-690

Query Match 84.8%; Score 3036; DB 9; Length 3923;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGAAGAAATAGCAAGTCCGAGAAAGTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60  
 Db 1 ACAGAAGAAATAGCAAGTCCGAGAAAGTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60  
 QY 61 GGCTGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120  
 Db 61 GGCTGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120  
 QY 121 GAATTACACACATATACCTAGTGTCTCAATGAACACCAAGATAAATAAGTGAAGAGCTA 180  
 Db 121 GAATTACACACATATACCTAGTGTCTCAATGAACACCAAGATAAATAAGTGAAGAGCTA 180  
 QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACATCGACGGGCACTTTCTGAG 240  
 Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACATCGACGGGCACTTTCTGAG 240  
 QY 241 TACTCAGTCCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAATAAGAA 300  
 Db 241 TACTCAGTCCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAATAAGAA 300  
 QY 301 GGCTGCTGACTTTACCATCTGAGGCGCACACATCTGCTGAAATGGAGATAAATAACATCAC 360  
 Db 301 GGCTGCTGACTTTACCATCTGAGGCGCACACATCTGCTGAAATGGAGATAAATAACATCAC 360  
 QY 361 TAGAAACAGCAAGATGACAAATAATGTCTAAGTAGTGACATGTTTTCGACATTTCCAG 420  
 Db 361 TAGAAACAGCAAGATGACAAATAATGTCTAAGTAGTGACATGTTTTCGACATTTCCAG 420  
 QY 421 CCCCTTTAAATATCCACACACACAGAGGAGCAAAAAGGAGGAGGAGGAGGAGGAGGAGGAG 480  
 Db 421 CCCCTTTAAATATCCACACACACAGAGGAGCAAAAAGGAGGAGGAGGAGGAGGAGGAGGAG 480  
 QY 481 AATGCCCGCCGCCATCTTGGGTCTCGATGAGCCCTCGCCCTGTGCTGCTGCTGCTGCTGCT 540  
 Db 481 AATGCCCGCCGCCATCTTGGGTCTCGATGAGCCCTCGCCCTGTGCTGCTGCTGCTGCTGCT 540  
 QY 541 GAGGGAAGGACATTAGAAAATGAATGTGTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAG 600  
 Db 541 GAGGGAAGGACATTAGAAAATGAATGTGTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAG 600  
 QY 601 TCTGTTGTGGATATTTTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660  
 Db 601 TCTGTTGTGGATATTTTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660



QY 661 CATTACCAATGAGAGGAAACACAGCAGAAATCTTGTATGGCTTTCACAGACATGCAACA 720  
DB 661 CATTACCAATGAGAGGAAACACAGCAGAAATCTTGTATGGCTTTCACAGACATGCAACA 720  
QY 721 AACAAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGGAGAGATACACAGGG 780  
DB 721 AACAAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGGAGAGATACACAGGG 780  
QY 781 GCAGAGGTCAGGATCTGGCCCTGTGCTGCTAACTGTGGGTTTCAATAACCAATCATTTTC 840  
DB 781 GCAGAGGTCAGGATCTGGCCCTGTGCTGCTAACTGTGGGTTTCAATAACCAATCATTTTC 840  
QY 841 ATATTTCTTAACCTCAAAACAAAGCTGTGTATATCTGATCTCTACGGTTCCTCTGGG 900  
DB 841 ATATTTCTTAACCTCAAAACAAAGCTGTGTATATCTGATCTCTACGGTTCCTCTGGG 900  
QY 901 CCCAACATCTCCATATATCCAGCCACACTCATTTTAAATATAGTTCACAGATCTGTA 960  
DB 901 CCCAACATCTCCATATATCCAGCCACACTCATTTTAAATATAGTTCACAGATCTGTA 960  
QY 961 CTGTGACCTTTTACACTGTGAGAAATCAATTAATCTCAATTTTGTTCAAAGACCCCTCGTGT 1020  
DB 961 CTGTGACCTTTTACACTGTGAGAAATCAATTAATCTCAATTTTGTTCAAAGACCCCTCGTGT 1020  
QY 1021 GCTGCCATATATAGTACTGACTGTTTCTTAAGAGTGTCTGGGCCAGGGATCTGTG 1080  
DB 1021 GCTGCCATATATAGTACTGACTGTTTCTTAAGAGTGTCTGGGCCAGGGATCTGTG 1080  
QY 1081 AACAGGCTGGAGAGCTCTCAAGATCTTCCAGGGTTATACTTACTAGCACACAGCATGA 1140  
DB 1081 AACAGGCTGGAGAGCTCTCAAGATCTTCCAGGGTTATACTTACTAGCACACAGCATGA 1140  
QY 1141 TCATTAAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGCCCATACTGAAAT 1200  
DB 1141 TCATTAAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGCCCATACTGAAAT 1200  
QY 1201 TCATTTCCCACTTTTGGCCATCTCAAGACCTCAAAATGTCAATTTCCATTAATATCA 1260  
DB 1201 TCATTTCCCACTTTTGGCCATCTCAAGACCTCAAAATGTCAATTTCCATTAATATCA 1260  
QY 1261 GGATTAACCTTTTAACTGGAGAAATCAATGTTACATGACAGCTATGGGAATTTA 1320  
DB 1261 GGATTAACCTTTTAACTGGAGAAATCAATGTTACATGACAGCTATGGGAATTTA 1320  
QY 1321 ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT 1380  
DB 1321 ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT 1380  
QY 1381 GATTTTTTTCAGTATAAAGTTAAATGCTTAGCCTGTACTGAGGCTGTATACAGCAC 1440  
DB 1381 GATTTTTTTCAGTATAAAGTTAAATGCTTAGCCTGTACTGAGGCTGTATACAGCAC 1440  
QY 1441 AGCCTCTCCCATCCCTCCAGCCTTATCTGATACACCACTCAACCCCTCCCATACCCT 1500  
DB 1441 AGCCTCTCCCATCCCTCCAGCCTTATCTGATACACCACTCAACCCCTCCCATACCCT 1500  
QY 1501 AAAACAAAATCTAACTTGTAACTTGAACATGTCAAGACATACATTTCTTCTGCT 1560  
DB 1501 AAAACAAAATCTAACTTGTAACTTGAACATGTCAAGACATACATTTCTTCTGCT 1560  
QY 1561 GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGAAGTTTGAATATAGTTGACTA 1620  
DB 1561 GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGAAGTTTGAATATAGTTGACTA 1620  
QY 1621 TCTTACTTCAAGAGAGGACATATGAGATTCATCATCACATGAGACAGCAATA 1680  
DB 1621 TCTTACTTCAAGAGAGGACATATGAGATTCATCATCACATGAGACAGCAATA 1680  
QY 1681 CTAAGAGTGTAAATTTGATTAAGAGTTTGAATAAATATATGAATGCAAGAGCCACAGA 1740  
DB 1681 CTAAGAGTGTAAATTTGATTAAGAGTTTGAATAAATATATGAATGCAAGAGCCACAGA 1740  
QY 1741 GGGAAATGTTTATGGGGACAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGGAACTCTCA 1800

DB 1741 GGGAAATGTTTATGGGGACAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGGAACTCTCA 1800  
QY 1801 TAGTATCTTTATATAATATATCTTCAATTTCTCTATCTCTATCACAATATCCAACAGCTTTT 1860  
DB 1801 TAGTATCTTTATATAATATATCTTCAATTTCTCTATCTCTATCACAATATCCAACAGCTTTT 1860  
QY 1861 CACAGAAATTCATGCAAGTGAATCCCAAGGTAACCTTTATCCATTTCTATGAGTGC 1920  
DB 1861 CACAGAAATTCATGCAAGTGAATCCCAAGGTAACCTTTATCCATTTCTATGAGTGC 1920  
QY 1921 GCTTTAGAATTTTGGCAAAATCATCTGCTCACTTATCTCAACTTTTCTGAGATGCTTGTGC 1980  
DB 1921 GCTTTAGAATTTTGGCAAAATCATCTGCTCACTTATCTCAACTTTTCTGAGATGCTTGTGC 1980  
QY 1981 TTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC 2040  
DB 1981 TTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC 2040  
QY 2041 AATAAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
DB 2041 AATAAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
QY 2101 GT 2160  
DB 2101 GT 2160  
QY 2161 TTAATAAAGCAAGCATGTTTTCAAATGCGCATATGAGCTGCCAATGATATCACCACCATAT 2220  
DB 2161 TTAATAAAGCAAGCATGTTTTCAAATGCGCATATGAGCTGCCAATGATATCACCACCATAT 2220  
QY 2221 CTCATTTTCTCCAGTAAATGTAAATGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 2280  
DB 2221 CTCATTTTCTCCAGTAAATGTAAATGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 2280  
QY 2281 TTAATAAAGCAAGCTGCCAATGCAACCAATATGCAATATGCAATATGCAATATGCAATATGCA 2340  
DB 2281 TTAATAAAGCAAGCTGCCAATGCAACCAATATGCAATATGCAATATGCAATATGCAATATGCA 2340  
QY 2341 GCTACACACTGCTGTGACATATATTTGTAGAAGCACCTCGCATTTTGTGGGTTCTCTTAAGC 2400  
DB 2341 GCTACACACTGCTGTGACATATATTTGTAGAAGCACCTCGCATTTTGTGGGTTCTCTTAAGC 2400  
QY 2401 AAAATCTTGCATATAGTCTCAGCTGGGCTGTGCATCAGCGGTTTGAAGAAATATTCAA 2460  
DB 2401 AAAATCTTGCATATAGTCTCAGCTGGGCTGTGCATCAGCGGTTTGAAGAAATATTCAA 2460  
QY 2461 TTTCTCAGCAGAGCCAGAAATTTGAATTTCCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520  
DB 2461 TTTCTCAGCAGAGCCAGAAATTTGAATTTCCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520  
QY 2521 GAGAGATTCAGACAGCTCAGGTCGCTTTCACTAATGTCTCTGAACTTTCTGTCCCTCTTTG 2580  
DB 2521 GAGAGATTCAGACAGCTCAGGTCGCTTTCACTAATGTCTCTGAACTTTCTGTCCCTCTTTG 2580  
QY 2581 TGTTTCAATGATAGTCCAATAAATATGTTATCTTTGAACTGTCTATAGAGAGAAATA 2640  
DB 2581 TGTTTCAATGATAGTCCAATAAATATGTTATCTTTGAACTGTCTATAGAGAGAAATA 2640  
QY 2641 TAAGAACTCTGAGTATATCAACATTTAGGATTTCAAGAAATATATAGATTTAAGCTCACA 2700  
DB 2641 TAAGAACTCTGAGTATATCAACATTTAGGATTTCAAGAAATATATAGATTTAAGCTCACA 2700  
QY 2701 CTGGTCAAAAGGAAACCAAGATCAAAAGAACTCTGAGCTGTCTGCTGCCCATCTCTGTGA 2760  
DB 2701 CTGGTCAAAAGGAAACCAAGATCAAAAGAACTCTGAGCTGTCTGCTGCCCATCTCTGTGA 2760  
QY 2761 GCCAACAAACAGCAGGACCCCAACGCGATCTGTGATCTTTAAATCAAGGAAACCCAGTG 2820  
DB 2761 GCCAACAAACAGCAGGACCCCAACGCGATCTGTGATCTTTAAATCAAGGAAACCCAGTG 2820  
QY 2821 TCATGAGTTGAATTTCTCTTATTTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880

Db 2821 TCATGAGTGAATCTCTCTATTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880  
QY 2881 GACACATATAGCTTCTAGGCTTTGCTTCCAGACTTTTATCTTTCTTCTCAACACATCGC 2940  
Db 2881 GACACATATAGCTTCTAGGCTTTGCTTCCAGACTTTTATCTTTCTTCTCAACACATCGC 2940  
QY 2941 TTACCAATCTCTCTCTGCTCTCTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000  
Db 2941 TTACCAATCTCTCTCTGCTCTCTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000  
QY 3001 CAACTCTTTTCCATCCCAACCACTAACTGAAT 3036  
Db 3001 CAACTCTTTTCCATCCCAACCACTAACTGAAT 3036

RESULT 6

US-10-012-896-690  
; Sequence 690, Application US/10012896  
; Publication No. US20020183251A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel X.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William T.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Hural, John  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Vinals de Bassols, Carlota  
; APPLICANT: Foy, Teresa  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Wantanabe, Yoshihiro  
; APPLICANT: Meagher, Madeleine Joy  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C27  
; CURRENT FILING DATE: 2001-12-10  
; CURRENT APPLICATION NUMBER: US/10/012,896  
; NUMBER OF SEQ ID NOS: 1011  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-012-896-690

Query Match 84.8%; Score 3036; DB 13; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGAGAATAGCAAGTCCGAGAGCTGGCATCAGAAAACAGAGGGGAGATTGTGT 60  
Db 1 ACAGAGAATAGCAAGTCCGAGAGCTGGCATCAGAAAACAGAGGGGAGATTGTGT 60  
QY 61 GGCTGAGCCGAGGAGACAGGAAGATCTGATGTGGGAGGACCTGATGATACAGAG 120  
Db 61 GGCTGAGCCGAGGAGACAGGAAGATCTGATGTGGGAGGACCTGATGATACAGAG 120  
QY 121 GAATTACACATATATCTAGTCTTTCAATGAACACCAAGATAAATAGTGAAGCTTA 180  
Db 121 GAATTACACATATATCTAGTCTTTCAATGAACACCAAGATAAATAGTGAAGCTTA 180

QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240  
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240  
QY 241 TACTCAGTGCACGAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300  
Db 241 TACTCAGTGCACGAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300  
QY 301 GGCTGCTGACTTTTCCATCTGAGGCCACACATCTCTGTAATGGAGATTAATTAACATCAC 360  
Db 301 GGCTGCTGACTTTTCCATCTGAGGCCACACATCTCTGTAATGGAGATTAATTAACATCAC 360  
QY 361 TAGAAAACAGCAAGATGACAAATATATCTAAGTAGTGACATGTTTTGACATTTCCAG 420  
Db 361 TAGAAAACAGCAAGATGACAAATATATCTAAGTAGTGACATGTTTTGACATTTCCAG 420  
QY 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGA 480  
Db 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGA 480  
QY 481 AATGCCCGGCCCGCCATCTTGGGTCTCGATGAGCCCTCGCCCTGCTGCTGCTCCCGTCT 540  
Db 481 AATGCCCGGCCCGCCATCTTGGGTCTCGATGAGCCCTCGCCCTGCTGCTGCTCCCGTCT 540  
QY 541 GAGGGAAGGACATTTAGAAAATGAAATTTGATGTTTCTTAAAGGATGGGAGGAAACAGA 600  
Db 541 GAGGGAAGGACATTTAGAAAATGAAATTTGATGTTTCTTAAAGGATGGGAGGAAACAGA 600  
QY 601 TCCTGTTGGATATTTTGAACGGGATACAGATTTGAAATGAAGTCAACAAGTGAG 660  
Db 601 TCCTGTTGGATATTTTGAACGGGATACAGATTTGAAATGAAGTCAACAAGTGAG 660  
QY 661 CATTACCAATGAGAGGAAACAGAGAGAAATCTTGATGGCTTCAACAAGACATGCAACA 720  
Db 661 CATTACCAATGAGAGGAAACAGAGAGAAATCTTGATGGCTTCAACAAGACATGCAACA 720  
QY 721 AAAAAATGGAATATCTGTGATGATGAGGAGCAGCAAGCTGGGGAGGAGATAACACGGG 780  
Db 721 AAAAAATGGAATATCTGTGATGATGAGGAGCAGCAAGCTGGGGAGGAGATAACACGGG 780  
QY 781 GAGAGGGTCAAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
Db 781 GAGAGGGTCAAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
QY 841 ATATTCTTAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGG 900  
Db 841 ATATTCTTAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGG 900  
QY 901 CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTA 960  
Db 901 CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTA 960  
QY 961 CTGTGACCTTTCTACACTGTAGAAATAAATTAATCTCATTTTGTGTTCAAGACCTCTGTT 1020  
Db 961 CTGTGACCTTTCTACACTGTAGAAATAAATTAATCTCATTTTGTGTTCAAGACCTCTGTT 1020  
QY 1021 GCTGCTAATATGTAGTCTGACTGTTTCTTAAGAGTGTCTTGGCCCGAGGGGATCTGTG 1080  
Db 1021 GCTGCTAATATGTAGTCTGACTGTTTCTTAAGAGTGTCTTGGCCCGAGGGGATCTGTG 1080  
QY 1081 AACAGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA 1140  
Db 1081 AACAGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA 1140  
QY 1141 TCATTAGGAGTGAATTAATCAACATCTCTCAGTGTCTTTGCCCTACTCTGAAT 1200  
Db 1141 TCATTAGGAGTGAATTAATCAACATCTCTCAGTGTCTTTGCCCTACTCTGAAT 1200  
QY 1201 TCATTTCACCTTTTGTGCGCCATTTCTCAAGACTCTCAAAATGTCAATTCATTAATATCA 1260  
Db 1201 TCATTTCACCTTTTGTGCGCCATTTCTCAAGACTCTCAAAATGTCAATTCATTAATATCA 1260  
QY 1261 GGATTAACCTTTTTTTTTTAACTGGAGAAATTCATGTTTACATGACAGCTATGGGAATTTA 1320

1261 GGAATTAACCTTTTAAACCTGGAGAAATTCAAATGTTACATGCGAGCTATGGGAATTTA 1320  
1321 ATTACATATTTCTTTTCCAGTGCAAGAGTACCTAAAGTCTTTATCCCTCCCTCTTTGTTT 1380  
1321 ATTACATATTTCTTTTCCAGTGCAAGAGTACCTAAAGTCTTTATCCCTCCCTCTTTGTTT 1380  
1381 GATTTTTTTTCCAGTATAAAGTTAAATGCTTAGACCTTTGACTGAGGCTGTATACAGCAC 1440  
1381 GATTTTTTTTCCAGTATAAAGTTAAATGCTTAGACCTTTGACTGAGGCTGTATACAGCAC 1440  
1441 AGCTCTCCCATCCCTCCAGCCTTATCTGTATCAGCATCAACCCCTCCCATACCACT 1500  
1441 AGCTCTCCCATCCCTCCAGCCTTATCTGTATCAGCATCAACCCCTCCCATACCACT 1500  
1501 AAACAAAATCTAATCTTGAATCTTGAACATGTCAGGACATACATTTATTCCTTCTGCCT 1560  
1501 AAACAAAATCTAATCTTGAATCTTGAACATGTCAGGACATACATTTATTCCTTCTGCCT 1560  
1561 GAGAAGCTCTTCTTGTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA 1620  
1621 TCTTACTTATGCAAGAGGACATATGAGATTCATCATCAATGAGACAGCAAAATA 1680  
1621 TCTTACTTATGCAAGAGGACATATGAGATTCATCATCAATGAGACAGCAAAATA 1680  
1681 CTAAAAAGTGAATTTGATTAATAGAGTTTATGATAAATATATGAAATGCAAGAGCCACAGA 1740  
1681 CTAAAAAGTGAATTTGATTAATAGAGTTTATGATAAATATATGAAATGCAAGAGCCACAGA 1740  
1741 GGGAAATGTTTTATGGGACAGCTTTGTAAGCCTGGGATGTGAAGCAAGAGGAGGAACTCA 1800  
1741 GGGAAATGTTTTATGGGACAGCTTTGTAAGCCTGGGATGTGAAGCAAGAGGAGGAACTCA 1800  
1801 TAGTATCTTATATAATATATCTTCTATCTCTATCTATCAAAATATCAAAAGCTTTT 1860  
1801 TAGTATCTTATATAATATATCTTCTATCTCTATCTATCAAAATATCAAAAGCTTTT 1860  
1861 CACAGAAATTCATGCAAGGCAATCCCAAGGTAAGCTTTATCCATTTTCTATGAGAGTGC 1920  
1861 CACAGAAATTCATGCAAGGCAATCCCAAGGTAAGCTTTATCCATTTTCTATGAGAGTGC 1920  
1921 GCTTTAGAAATTTTGGCAATCATATCTGTCATCTTATCTCAACCTTTGAGATGTTGTGTC 1980  
1921 GCTTTAGAAATTTTGGCAATCATATCTGTCATCTTATCTCAACCTTTGAGATGTTGTGTC 1980  
1981 TTGTAGTTAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC 2040  
1981 TTGTAGTTAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC 2040  
2041 AATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
2041 AATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGT 2100  
2101 GT 2160  
2101 GT 2160  
2161 TTAACAAAGAGCTGTTTTCAATGAGCACTATGAGCTGCCAATGATGTATCACCACATAT 2220  
2161 TTAACAAAGAGCTGTTTTCAATGAGCACTATGAGCTGCCAATGATGTATCACCACATAT 2220  
2221 CTCATTTATCTCCAGTAAATGATATAATGTCATCTGTAACTATCAATAAAGAGTTTAC 2280  
2221 CTCATTTATCTCCAGTAAATGATATAATGTCATCTGTAACTATCAATAAAGAGTTTAC 2280  
2281 TTCACAAAAGCAGCTGGAATGACCAACACCAATATGCAATATCTAATCTCTTACCATCA 2340  
2281 TTCACAAAAGCAGCTGGAATGACCAACACCAATATGCAATATCTAATCTCTTACCATCA 2340  
2341 GCTACACACTGCTTGACATATATGTTAGAGCACTCGCATTTGGGTTCTCTTTAAGC 2400

2341 GCTACACACTGCTTGACATATATGTTAGAGCACTCGCATTTGTGGGTTCTCTTTAAGC 2400  
2401 AAAATACTTTGCATTTAGTCTCTAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460  
2401 AAAATACTTTGCATTTAGTCTCTAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460  
2461 TTCTCAGCAGAGCCAGAAATTTGAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520  
2461 TTCTCAGCAGAGCCAGAAATTTGAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520  
2521 GAGAGATTCAGACAGCTCAGGTGCTTTTCACTAATGCTCTGAACTCTGCTCCCTCTTTG 2580  
2521 GAGAGATTCAGACAGCTCAGGTGCTTTTCACTAATGCTCTGAACTCTGCTCCCTCTTTG 2580  
2581 TGTTCATGATAGTCCAAATAAATATGTTATCTTTGAACTGTGCTCATAGAGAGATA 2640  
2581 TGTTCATGATAGTCCAAATAAATATGTTATCTTTGAACTGTGCTCATAGAGAGATA 2640  
2641 TAAGAACTCTGAGTGATATCAACATTTAGGATTTCAAAGAAATATTTAGATTTAAGCTCACA 2700  
2641 TAAGAACTCTGAGTGATATCAACATTTAGGATTTCAAAGAAATATTTAGATTTAAGCTCACA 2700  
2701 CTGGTCAAAGAGCAACAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760  
2701 CTGGTCAAAGAGCAACAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760  
2761 GCCAACCAACAGCAGGAGCCCAACGATGCTGTGAGATCTTTAAATCAAGGAAACAGTG 2820  
2761 GCCAACCAACAGCAGGAGCCCAACGATGCTGTGAGATCTTTAAATCAAGGAAACAGTG 2820  
2821 TCATGAGTTGAATTTCTCTATTTATGAGTCTAGCTTTCTGGCCATCTCTGGCTCTCTCTT 2880  
2821 TCATGAGTTGAATTTCTCTATTTATGAGTCTAGCTTTCTGGCCATCTCTGGCTCTCTCTT 2880  
2881 GACATATATGAGTCTAGCTTTGCTTCCACAGATTTTATCTTTTCTCAACATCTGC 2940  
2881 GACATATATGAGTCTAGCTTTGCTTCCACAGATTTTATCTTTTCTCAACATCTGC 2940  
2941 TTACCAATCT 3000  
2941 TTACCAATCT 3000  
3001 CAAGTCTTTTCTTCCATCCCACTAACTGAAT 3036  
3001 CAAGTCTTTTCTTCCATCCCACTAACTGAAT 3036

RESULT 7  
US-10-205-823-316  
; Sequence 316, Application US/10205823  
; Publication No. US20030108963A1  
; GENERAL INFORMATION:  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Monahan, John E.  
; APPLICANT: Endege, Wilson O.  
; APPLICANT: Gannavarapu, Manjula  
; APPLICANT: Gorbacheva, Bella  
; APPLICANT: Hoersch, Sebastian  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Wonsley, Angela M.  
; APPLICANT: Glatt, Karen  
; APPLICANT: Zhao, Xumei  
; APPLICANT: Anderson, Dustin  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY FOR PROSTATE CANCER  
; FILE REFERENCE: MRI-044  
; CURRENT APPLICATION NUMBER: US/10/205,823  
; CURRENT FILING DATE: 2002-07-25  
; PRIOR APPLICATION NUMBER: 60/307,982  
; PRIOR FILING DATE: 2001-07-25  
; PRIOR APPLICATION NUMBER: 60/314,356  
; PRIOR FILING DATE: 2001-08-22

;; PRIORITY APPLICATION NUMBER: 60/325,020  
;; PRIORITY FILING DATE: 2001-09-25  
;; PRIORITY APPLICATION NUMBER: 60/341,746  
;; PRIORITY FILING DATE: 2001-12-12  
;; PRIORITY APPLICATION NUMBER: 60/362,158  
;; PRIORITY FILING DATE: 2002-03-05  
;; NUMBER OF SEQ ID NOS: 455  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 316  
;; LENGTH: 3923  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-205-823-316

Query Match 84.8%; Score 3036; DB 15; Length 3923;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60  
DB |||||  
QY 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60  
DB |||||

QY 61 GGCTGAGCGGAGGAGACAGAGAGATCTGCATGTGGGAAGGACCTCATGATACAGAG 120  
DB |||||

QY 61 GGCTGAGCGGAGGAGACAGAGAGATCTGCATGTGGGAAGGACCTCATGATACAGAG 120  
DB |||||

QY 121 GAATTACACACATATACATTAGTGTTCATGACACCAAGATAAATAGTGAAGGCTA 180  
DB |||||

QY 121 GAATTACACACATATACATTAGTGTTCATGACACCAAGATAAATAGTGAAGGCTA 180  
DB |||||

QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACTCGACGGCAGCTTCTGAG 240  
DB |||||

QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACTCGACGGCAGCTTCTGAG 240  
DB |||||

QY 241 TACTAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300  
DB |||||

QY 241 TACTAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300  
DB |||||

QY 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATTAATACATCAC 360  
DB |||||

QY 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATTAATACATCAC 360  
DB |||||

QY 361 TAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGTTTGTGACATTTCCAG 420  
DB |||||

QY 361 TAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGTTTGTGACATTTCCAG 420  
DB |||||

QY 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAAGAGATCCCTGGGAGA 480  
DB |||||

QY 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAAGAGATCCCTGGGAGA 480  
DB |||||

QY 481 AATGCCCGCCGCATCTTGGGTTCATGATGAGCCTCGCCCTGTGCTGCTCCGCTTGT 540  
DB |||||

QY 481 AATGCCCGCCGCATCTTGGGTTCATGATGAGCCTCGCCCTGTGCTGCTCCGCTTGT 540  
DB |||||

QY 541 GAGGAGAGGACATTTAGAAATGAATGTGTCTTAAGGATGGGAGGAGAAACAGA 600  
DB |||||

QY 541 GAGGAGAGGACATTTAGAAATGAATGTGTCTTAAGGATGGGAGGAGAAACAGA 600  
DB |||||

QY 601 TCCTGTGTGGATATTTAATTTGAACCGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660  
DB |||||

QY 601 TCCTGTGTGGATATTTAATTTGAACCGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660  
DB |||||

QY 661 CATTACCAATGAGAGAAACAGACAGAAATCTTGATGGCTTCAAGACATGCAACA 720  
DB |||||

QY 661 CATTACCAATGAGAGAAACAGACAGAAATCTTGATGGCTTCAAGACATGCAACA 720  
DB |||||

QY 721 AACAAAATGGAATACATGTGATGATGAGGACGACCAAGCTGGGAGGAGATAACACGGG 780  
DB |||||

QY 721 AACAAAATGGAATACATGTGATGATGAGGACGACCAAGCTGGGAGGAGATAACACGGG 780  
DB |||||

QY 781 GCAGAGGCTCAGATTTCTGCGCCCTGCTGCTAACTGAGGTTTCAATAACAAATCATTTTC 840  
DB |||||

QY 781 GCAGAGGCTCAGATTTCTGCGCCCTGCTGCTAACTGAGGTTTCAATAACAAATCATTTTC 840  
DB |||||

QY 841 ATATTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTTCTGGG 900  
DB |||||

QY 841 ATATTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTTCTGGG 900  
DB |||||

QY 901 CCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATATTTAGTTCCTCCAGATCTGA 960  
DB |||||

QY 901 CCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATATTTAGTTCCTCCAGATCTGA 960  
DB |||||

QY 961 CTGTGACCTTTCTACACTGTAGATAAATTAATCTCAATTTTGTTCAAAGACCTTCGTGT 1020  
DB |||||

QY 961 CTGTGACCTTTCTACACTGTAGATAAATTAATCTCAATTTTGTTCAAAGACCTTCGTGT 1020  
DB |||||

QY 1021 GCTGCTAATATGTAGTCTGACCTGTTTCTTAAGAGTGTCTTGGCCAGGGGATCTGTG 1080  
DB |||||

QY 1021 GCTGCTAATATGTAGTCTGACCTGTTTCTTAAGAGTGTCTTGGCCAGGGGATCTGTG 1080  
DB |||||

QY 1081 AACAGGCTGGGAGGATCTCAAGATCTTTTCCAGGGTTATCTTACTAGCACACAGCATGA 1140  
DB |||||

QY 1081 AACAGGCTGGGAGGATCTCAAGATCTTTTCCAGGGTTATCTTACTAGCACACAGCATGA 1140  
DB |||||

QY 1141 TCATTACGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTGGCCACTACTGAAAT 1200  
DB |||||

QY 1141 TCATTACGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTGGCCACTACTGAAAT 1200  
DB |||||

QY 1201 TCATTTTCCACATTTTGTGCCCCATTTCTCAAGACTCAAAATGTCTTCCATTAATATCA 1260  
DB |||||

QY 1201 TCATTTTCCACATTTTGTGCCCCATTTCTCAAGACTCAAAATGTCTTCCATTAATATCA 1260  
DB |||||

QY 1261 GGATTAACATTTTAACTGGAAGAAATCAATGTTPACATGCAAGCTATCGGAAATTTA 1320  
DB |||||

QY 1261 GGATTAACATTTTAACTGGAAGAAATCAATGTTPACATGCAAGCTATCGGAAATTTA 1320  
DB |||||

QY 1321 ATTACATATTTTGTTCAGTGCAAGATGATGATGATGATGATGATGATGATGATGATGAT 1380  
DB |||||

QY 1321 ATTACATATTTTGTTCAGTGCAAGATGATGATGATGATGATGATGATGATGATGATGAT 1380  
DB |||||

QY 1381 GATTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTCTACTGAGGCTGTATACAGCAC 1440  
DB |||||

QY 1381 GATTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTCTACTGAGGCTGTATACAGCAC 1440  
DB |||||

QY 1441 AGCCTCTCCCCATCTCCAGCCTTATCTGTCTATCAATCAACCCCTCCCATACACCT 1500  
DB |||||

QY 1441 AGCCTCTCCCCATCTCCAGCCTTATCTGTCTATCAATCAACCCCTCCCATACACCT 1500  
DB |||||

QY 1501 AAACAAATCTAACTTGTAAATTTCTTGAACATGTGAGGACATACATTTCTCTGCT 1560  
DB |||||

QY 1501 AAACAAATCTAACTTGTAAATTTCTTGAACATGTGAGGACATACATTTCTCTGCT 1560  
DB |||||

QY 1561 GAGAAAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGAAAGTTTGAATTAAGTTGACTA 1620  
DB |||||

QY 1561 GAGAAAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGAAAGTTTGAATTAAGTTGACTA 1620  
DB |||||

QY 1621 TCTTACTTCATGCAAGAGGACACATATGAGATTCATCATCATCATGAGACAGCAATA 1680  
DB |||||

QY 1621 TCTTACTTCATGCAAGAGGACACATATGAGATTCATCATCATCATGAGACAGCAATA 1680  
DB |||||

QY 1681 CTAAAAGTGAATTTGATTTAAGATTTAGATAAATATGAAATGCAAGAGCCACAGA 1740  
DB |||||

QY 1681 CTAAAAGTGAATTTGATTTAAGATTTAGATAAATATGAAATGCAAGAGCCACAGA 1740  
DB |||||

QY 1741 GGGAAATGTTTATGGGACAGCTTTGTAAGCTGGGATGTAAGCAAGGAGGAGGAACTCA 1800  
DB |||||

QY 1741 GGGAAATGTTTATGGGACAGCTTTGTAAGCTGGGATGTAAGCAAGGAGGAGGAACTCA 1800  
DB |||||

QY 1801 TAGTATCTTATATAATATCTTCAATTTCTATCTATCACAATATCAACAAGCTTTT 1860  
DB |||||

QY 1801 TAGTATCTTATATAATATCTTCAATTTCTATCTATCACAATATCAACAAGCTTTT 1860  
DB |||||

QY 1861 CACAGATTCATGAGTGAATCCCAAGGTAACCTTTATCCATTTTCTGATGAGTGC 1920  
DB |||||

QY 1861 CACAGATTCATGAGTGAATCCCAAGGTAACCTTTATCCATTTTCTGATGAGTGC 1920  
DB |||||

Qy	1921	GCCTTAGAATTTGGCAATCACTGGTCACTTATCTCAACTTTGAGATGTGTTGTCC	1980
Db	1921	GCCTTAGAATTTGGCAATCATACTGGTCACTTATCTCAACTTTGAGATGTGTTGTCC	1980
Qy	1981	TTGTAGTAAATTAAGCAAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCCTGGC	2040
Db	1981	TTGTAGTAAATTAAGCAAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCCTGGC	2040
Qy	2041	AATAAAGAAATTAAGAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAAGAAATTAAGAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGAGTGTATCGCCAAAGTGTGCTCTCTCTCTTGACCCATTTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTATCGCCAAAGTGTGCTCTCTCTCTTGACCCATTTTTCAGAC	2160
Qy	2161	TTAAACAAGCATGTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCACCATAT	2220
Db	2161	TTAAACAAGCATGTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCACCATAT	2220
Qy	2221	CTCATTTCTCCAGTAAATGTGATAATAATGTCTCTGTTAAACATAAAAAAGTTTGAC	2280
Db	2221	CTCATTTCTCCAGTAAATGTGATAATAATGTCTCTGTTAAACATAAAAAAGTTTGAC	2280
Qy	2281	TTCAAAAAGAGCTGGAATATGGACAAACCAATATGCAATAATCTAACTCCTACCATCA	2340
Db	2281	TTCAAAAAGAGCTGGAATATGGACAAACCAATATGCAATAATCTAACTCCTACCATCA	2340
Qy	2341	GCTACACACTGCTGACATATATTTAGAGCACTCGCATTTGCGGTTCTCTTAAGC	2400
Db	2341	GCTACACACTGCTGACATATATTTAGAGCACTCGCATTTGCGGTTCTCTTAAGC	2400
Qy	2401	AAATACTTTCATTTAGTCTCAGCTGGGGCTGTGCATCAGCGGGTTTGAGAAATATTCAA	2460
Db	2401	AAATACTTTCATTTAGTCTCAGCTGGGGCTGTGCATCAGCGGGTTTGAGAAATATTCAA	2460
Qy	2461	TTCTCAGCAGAGCCGAATTTGAATTCCTCATCTTTTAAAGTAATTTACAGGTTTG	2520
Db	2461	TTCTCAGCAGAGCCGAATTTGAATTCCTCATCTTTTAAAGTAATTTACAGGTTTG	2520
Qy	2521	GAGAGGATTCAGACAGCTCAGGTGCTTCTCACTAATGCTCTGACCTCTGCTCCCTCTTG	2580
Db	2521	GAGAGGATTCAGACAGCTCAGGTGCTTCTCACTAATGCTCTGACCTCTGCTCCCTCTTG	2580
Qy	2581	TGTTCTAGTAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAGATA	2640
Db	2581	TGTTCTAGTAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAGATA	2640
Qy	2641	TAAGAACTCTGAGTGATATCAACATTAGGAGTTCAAAGAAATATTAGATTTAAGCTCACA	2700
Db	2641	TAAGAACTCTGAGTGATATCAACATTAGGAGTTCAAAGAAATATTAGATTTAAGCTCACA	2700
Qy	2701	CTGGTCAAAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA	2760
Qy	2761	GCCACAACCAACAGCAGGACCCCAACGATGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG	2820
Db	2761	GCCACAACCAACAGCAGGACCCCAACGATGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG	2820
Qy	2821	TCATGAGTTGAATTTCTCTATTATGAGATGCTAGCTTTGCGCCATCTCTGCTCTCTT	2880
Db	2821	TCATGAGTTGAATTTCTCTATTATGAGATGCTAGCTTTGCGCCATCTCTGCTCTCTT	2880
Qy	2881	GACACATATTAGCTTTAGCTTTGCTTCCACACTTTTATCTTTCTTCTCCACACATCGC	2940
Db	2881	GACACATATTAGCTTTAGCTTTGCTTCCACACTTTTATCTTTCTTCTCCACACATCGC	2940
Qy	2941	TTACCATCTCTCTCTGCTCTGTTGCTTTGGACTTCCCCACCAAGAAATTTCAACGACTCT	3000
Db	2941	TTACCATCTCTCTCTGCTCTGTTGCTTTGGACTTCCCCACCAAGAAATTTCAACGACTCT	3000
Qy	3001	CAAGTCTTTTCTTCCATCCCACTAACCTGAAT	3036

Db	3001	CAAGTCTTTTCTTCCATCCCACTAACCTGAAT	3036
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RESULT 8  
US-10-144-678A-690  
; Sequence 690, Application US/10144678A  
; Publication No. US20030157089A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel X.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Hepler, William T.  
; APPLICANT: Hural, John  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Vinals y de Bassols, Carlota  
; APPLICANT: Foy, Teresa M.  
; APPLICANT: Watanabe, Yoshihiro  
; APPLICANT: Deng, Ta  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCES: 210121.427C28  
; CURRENT APPLICATION NUMBER: US/10/144, 678A  
; CURRENT FILING DATE: 2002-08-12  
; NUMBER OF SEQ ID NOS: 1033  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-144-678A-690

Query Match	84.8%;	Score 3036;	DB 16;	Length 3923;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 3036;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ACAGAGAAATAGCAAGTCCGAGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT	60	
Db	1	ACAGAGAAATAGCAAGTCCGAGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT	60	
Qy	61	GGCTCAGCCGAGGGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG	120	
Db	61	GGCTCAGCCGAGGGAGACAGGAAGATCTGCATGTGGGAAGGACCTGATGATACAGAG	120	
Qy	121	GAATTAACACATATATCTAGTGTTCCTAATGACACCAAGATAAATAGTGAAGACTA	180	
Db	121	GAATTAACACATATATCTAGTGTTCCTAATGACACCAAGATAAATAGTGAAGACTA	180	
Qy	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGGACCTTCTGAG	240	
Db	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGGACCTTCTGAG	240	
Qy	241	TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGGCGGGGTGAGAAATAAGAA	300	
Db	241	TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGGCGGGGTGAGAAATAAGAA	300	
Qy	301	GGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCAC	360	
Db	301	GGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCAC	360	

QY 361 TAGAAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATGTTTTTGGCACATTTCCAG 420  
 Db 361 TAGAAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATGTTTTTGGCACATTTCCAG 420  
 QY 421 CCCCTTTAAATATCCACACACACAGGAAGCAGAAAAGGAAGCAGACAGAGATCCCTGGGAGA 480  
 Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAGAAAAGGAAGCAGACAGAGATCCCTGGGAGA 480  
 QY 481 AATGCCGGCGCCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGT 540  
 Db 481 AATGCCGGCGCCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGT 540  
 QY 541 GAGGGAAGGACATTTAGAAATGAATGATGCTGTTCTTAAAGGATGGGAGGAACACAGA 600  
 Db 541 GAGGGAAGGACATTTAGAAATGAATGATGCTGTTCTTAAAGGATGGGAGGAACACAGA 600  
 QY 601 TCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAATGAAGTCACAAAAGTGAG 660  
 Db 601 TCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAATGAAGTCACAAAAGTGAG 660  
 QY 661 CATTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGCTTCAACAGACATGCAACA 720  
 Db 661 CATTACCAATGAGAGAAAACAGACAGAAAATCTTGATGGCTTCAACAGACATGCAACA 720  
 QY 721 AACAAAATGGAATCTGATGATGATGAGCAGCAGCAAGCTGGGGAGGAGATACACACGGG 780  
 Db 721 AACAAAATGGAATCTGATGATGATGAGCAGCAGCAAGCTGGGGAGGAGATACACACGGG 780  
 QY 781 GCAGAGGTCAGGATTCGSCCTGCTGCTTAACTGTGCGTTTCATPAACCAAAATCATTTTC 840  
 Db 781 GCAGAGGTCAGGATTCGSCCTGCTGCTTAACTGTGCGTTTCATPAACCAAAATCATTTTC 840  
 QY 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGG 900  
 Db 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGG 900  
 QY 901 CCCAACATTTCCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCACAGATCTGTA 960  
 Db 901 CCCAACATTTCCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCACAGATCTGTA 960  
 QY 961 CTGTGACCTTTCTACACTGTAGAAATACATTTACTCATTTTTTTTCAAGACCCCTTCGTGT 1020  
 Db 961 CTGTGACCTTTCTACACTGTAGAAATACATTTACTCATTTTTTTTCAAGACCCCTTCGTGT 1020  
 QY 1021 GCTGCCATAATAGTACTGACTGTTTTTCTTAAGGAGTGTCTGGCCCGAGGGATCTGTG 1080  
 Db 1021 GCTGCCATAATAGTACTGACTGTTTTTCTTAAGGAGTGTCTGGCCCGAGGGATCTGTG 1080  
 QY 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTACTTAGCACACAGCATGA 1140  
 Db 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTACTTAGCACACAGCATGA 1140  
 QY 1141 TCATTACGGAGTGAATTTATCTAATCAACATCATCCCTCAGTGTCTTTGGCCCATACTGAAAT 1200  
 Db 1141 TCATTACGGAGTGAATTTATCTAATCAACATCATCCCTCAGTGTCTTTGGCCCATACTGAAAT 1200  
 QY 1201 TCATTCCCACTTTGTGGCCATTTCTCAAGACCTCAAAATGTCATTTCCATTATATATCA 1260  
 Db 1201 TCATTCCCACTTTGTGGCCATTTCTCAAGACCTCAAAATGTCATTTCCATTATATATCA 1260  
 QY 1261 GGATTAACATTTTTTTTTTAACTGGGAAGATTTCAATGTTTACATGCAAGCTATGGGAATTTA 1320  
 Db 1261 GGATTAACATTTTTTTTTTAACTGGGAAGATTTCAATGTTTACATGCAAGCTATGGGAATTTA 1320  
 QY 1321 ATTACATATTTGTTTTTCCAGTCAAGATGATGCTTAAGTCTTTTATCCCTCCCTTTGTTT 1380  
 Db 1321 ATTACATATTTGTTTTTCCAGTCAAGATGATGCTTAAGTCTTTTATCCCTCCCTTTGTTT 1380  
 QY 1381 GATTTTTTTTCCAGTAAAGTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAC 1440  
 Db 1381 GATTTTTTTTCCAGTAAAGTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAC 1440

QY 1441 AGCCTCTCCCATCCCTCCAGCCTTATCTGTGTCATCAACATCAACCCCTCCCATACCACT 1500  
 Db 1441 AGCCTCTCCCATCCCTCCAGCCTTATCTGTGTCATCAACATCAACCCCTCCCATACCACT 1500  
 QY 1501 AAACAAAATCTAACTTGTAAATTTCTTGAACATGTCAGGACATACATTTATCTCTTGTGCT 1560  
 Db 1501 AAACAAAATCTAACTTGTAAATTTCTTGAACATGTCAGGACATACATTTATCTCTTGTGCT 1560  
 QY 1561 GAGAGCTCTTCTTGTCTCTTAAATCTAGATGATGTAAGTTTGAATAATAGTTGACTA 1620  
 Db 1561 GAGAGCTCTTCTTGTCTCTTAAATCTAGATGATGTAAGTTTGAATAATAGTTGACTA 1620  
 QY 1621 TCTTACTTCTCATCAAAAGAGGACACATATGAGATTCATCATCATCATGAGACAGCAATA 1680  
 Db 1621 TCTTACTTCTCATCAAAAGAGGACACATATGAGATTCATCATCATCATGAGACAGCAATA 1680  
 QY 1681 CTAAAGGTAAATTTGATTAAGAGTTTAAATATATATATGAAATGCAAGAGCCACAGA 1740  
 Db 1681 CTAAAGGTAAATTTGATTAAGAGTTTAAATATATATATGAAATGCAAGAGCCACAGA 1740  
 QY 1741 GGGAAATGTTTATGGGCGCAGTTTGAAGCTCGGATGGAAGCAGGAGGCAACTCA 1800  
 Db 1741 GGGAAATGTTTATGGGCGCAGTTTGAAGCTCGGATGGAAGCAGGAGGCAACTCA 1800  
 QY 1801 TAGTATCTTATATAATATATATCTTCTATCTCTATCTATCTATCTATCTATCTATCTAT 1860  
 Db 1801 TAGTATCTTATATAATATATATCTTCTATCTCTATCTATCTATCTATCTATCTATCTAT 1860  
 QY 1861 CACAGAAATCTAGTAGTGCAAAATCCCAAGGTAACTTTATCCATTTTATCCATTTTATCCAT 1920  
 Db 1861 CACAGAAATCTAGTAGTGCAAAATCCCAAGGTAACTTTATCCATTTTATCCATTTTATCCAT 1920  
 QY 1921 GCTTTAGAAATTTGGCAAAATCATCTGTCACCTTATCTCAACTTTGAGATGTTTGTGTC 1980  
 Db 1921 GCTTTAGAAATTTGGCAAAATCATCTGTCACCTTATCTCAACTTTGAGATGTTTGTGTC 1980  
 QY 1981 TTGTAGTTAAATTTGAAGAAATAGGGCCTCTTTGTGAGCCACTTTAGGGTTCTACTCTGTC 2040  
 Db 1981 TTGTAGTTAAATTTGAAGAAATAGGGCCTCTTTGTGAGCCACTTTAGGGTTCTACTCTGTC 2040  
 QY 2041 AATAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTCTGTGTGTGTGT 2100  
 Db 2041 AATAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTCTGTGTGTGTGT 2100  
 QY 2101 GT 2160  
 Db 2101 GT 2160  
 QY 2161 TTAAACCAAGCATGTTTCAAAATGGCCTATGAGCTGCCAATGATGATCAACCAATAT 2220  
 Db 2161 TTAAACCAAGCATGTTTCAAAATGGCCTATGAGCTGCCAATGATGATCAACCAATAT 2220  
 QY 2221 CTCATTTTCTCAGTAAATGTAATAATGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 2280  
 Db 2221 CTCATTTTCTCAGTAAATGTAATAATGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 2280  
 QY 2281 TTCAAAAAGAGCTGGAATGGAACCAACCAATATGCAATAATCTTAACTCTCTACCATCA 2340  
 Db 2281 TTCAAAAAGAGCTGGAATGGAACCAACCAATATGCAATAATCTTAACTCTCTACCATCA 2340  
 QY 2341 GCTACACACTGCTGTGACATATATTTGTAAGACACTCGCATTTGTTGGTGTCTCTTAAAG 2400  
 Db 2341 GCTACACACTGCTGTGACATATATTTGTAAGACACTCGCATTTGTTGGTGTCTCTTAAAG 2400  
 QY 2401 AAAATCTTGCATTTAGTCTCAGCTGGGCTGTGCATCAGGCGTTTGAATAATTTCAA 2460  
 Db 2401 AAAATCTTGCATTTAGTCTCAGCTGGGCTGTGCATCAGGCGTTTGAATAATTTCAA 2460  
 QY 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTTACAGGTTTG 2520  
 Db 2461 TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTTACAGGTTTG 2520  
 QY 2521 GAGAGGATTCAGACAGCTCAGGTGCTTTTCACTAAATGCTCTGAACTTCTGTCTCTTTG 2580



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Db      2521  |||||GAGAGGATTGAGAGGCTCAGGCTGCTTTCCTAAATGCTCTGAATCTCTGCTCCCTCTTTG 2580
Qy      2581  TGTTCATGGATAGTCCCAATAAATGCTTATCTTTGAACCTGATGCTCATAGGAGAGATA 2640
Db      2581  TGTTCATGGATAGTCCCAATAAATGCTTATCTTTGAACCTGATGCTCATAGGAGAGATA 2640
Qy      2641  TAAGAACTCTGAGTGATPATCAACATTAGGGATTCAAGAATAATTAGATTAAAGCTCACA 2700
Db      2641  TAAGAACTCTGAGTGATPATCAACATTAGGGATTCAAGAATAATTAGATTAAAGCTCACA 2700
Qy      2701  CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760
Db      2701  CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760
Qy      2761  GCCAACCAACAGCAGGAGCCCAACGATGCTCTGAGATCTTAAATCAAGGAAACCAAGTG 2820
Db      2761  GCCAACCAACAGCAGGAGCCCAACGATGCTCTGAGATCTTAAATCAAGGAAACCAAGTG 2820
Qy      2821  TCATGAGTTGAAATCTCTCTATTATGAGTCTGCTTCTGAGCTCTGCTCTCTCTCTTT 2880
Db      2821  TCATGAGTTGAAATCTCTCTATTATGAGTCTGCTTCTGAGCTCTGCTCTCTCTCTTT 2880
Qy      2881  GACACATATTAGCTTTAGCTTTGCTTCCAGGACTTTTATCTTTCTCCAAACATCGC 2940
Db      2881  GACACATATTAGCTTTAGCTTTGCTTCCAGGACTTTTATCTTTCTCCAAACATCGC 2940
Qy      2941  TTACCAATCTCTCTCTGCTCTGCTTTGAGCTTCCCAAGAAATTTCAAGGACTCT 3000
Db      2941  TTACCAATCTCTCTCTGCTCTGCTTTGAGCTTCCCAAGAAATTTCAAGGACTCT 3000
Qy      3001  CAAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036
Db      3001  CAAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036

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RESULT 9

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US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No: US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Kalos, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294, 025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

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Query Match      84.8%; Score 3036; DB 16; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  ACAGAAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db      1  ACAGAAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Qy      61  GGCTGACCGCGAGGAGACAGGAGATCTGCATGTGGGAAGCACTGTATGATACAGAG 120
Db      61  GGCTGACCGCGAGGAGACAGGAGATCTGCATGTGGGAAGCACTGTATGATACAGAG 120
Qy      121  GAATTACAAACATATATCTAGTTTCAATGAACCAACCAAGATAAATAGTGAAGCTTA 180
Db      121  GAATTACAAACATATATCTAGTTTCAATGAACCAACCAAGATAAATAGTGAAGCTTA 180

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Qy      181  GTCCGCTGTGAGTCTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Db      181  GTCCGCTGTGAGTCTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Qy      241  TACTCAGTGCAGCAAAAGAGACTACAGACATCTCAATGCGAGGGGTGAGAAATACAAA 300
Db      241  TACTCAGTGCAGCAAAAGAGACTACAGACATCTCAATGCGAGGGGTGAGAAATACAAA 300
Qy      301  GGCTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCAC 360
Db      301  GGCTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCAC 360
Qy      361  TAGAAAACAGCAAGATGACAAATAAATGCTTAAGTAGTAGCATGTTTTTGGACATTTCCAG 420
Db      361  TAGAAAACAGCAAGATGACAAATAAATGCTTAAGTAGTAGCATGTTTTTGGACATTTCCAG 420
Qy      421  CCCCTTTTAAATATCCACACACAGAGAACACAAAAGGAGACAGAGATCCCTGGGAGA 480
Db      421  CCCCTTTTAAATATCCACACACAGAGAACACAAAAGGAGACAGAGATCCCTGGGAGA 480
Qy      481  AATGCCCGCGCGCATCTTTGGGTCAATCGATGAGCCTCGCCCTGCTGCTGCTCCCGTTGT 540
Db      481  AATGCCCGCGCGCATCTTTGGGTCAATCGATGAGCCTCGCCCTGCTGCTGCTCCCGTTGT 540
Qy      541  GAGGGAAGGACATPAGAAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAAACAGA 600
Db      541  GAGGGAAGGACATPAGAAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAAACAGA 600
Qy      601  TCCGTGTTGGATATTTTGAACGGGATTACAGATTTGAATGAAGTCAAAAGTGAG 660
Db      601  TCCGTGTTGGATATTTTGAACGGGATTACAGATTTGAATGAAGTCAAAAGTGAG 660
Qy      661  CATTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCTTCAAGACATGCAACA 720
Db      661  CATTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCTTCAAGACATGCAACA 720
Qy      721  AACAAAATGGAATPCTGTGATGATGAGGACGCCAAGCTGGGGAGAGATAACACGGG 780
Db      721  AACAAAATGGAATPCTGTGATGATGAGGACGCCAAGCTGGGGAGAGATAACACGGG 780
Qy      781  GCAGAGGTCAGGATTTCTGGCCCTGCTTAACTGCTGCTTCAATACCAAAATCATTTTC 840
Db      781  GCAGAGGTCAGGATTTCTGGCCCTGCTTAACTGCTGCTTCAATACCAAAATCATTTTC 840
Qy      841  ATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGGG 900
Db      841  ATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGGG 900
Qy      901  CCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATTTAGTTTCCAGATCTGTA 960
Db      901  CCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATTTAGTTTCCAGATCTGTA 960
Qy      961  CTGTGACCTTTCTACACTGTAGAAATAACATTAATTTGTTTCAAGAGCCCTTCGTGT 1020
Db      961  CTGTGACCTTTCTACACTGTAGAAATAACATTAATTTGTTTCAAGAGCCCTTCGTGT 1020
Qy      1021  GCTGCTTAATATCTAGTCTGCTTTTCTTAAGGAGTGTCTGCGCCAGGGATCTGTG 1080
Db      1021  GCTGCTTAATATCTAGTCTGCTTTTCTTAAGGAGTGTCTGCGCCAGGGATCTGTG 1080
Qy      1081  AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTACTAGCACACAGCATGA 1140
Db      1081  AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTACTAGCACACAGCATGA 1140
Qy      1141  TCATTAAGGAGTGAATATCTAATCAACATCTCTCAGTGTCTTTGCCCATCTGAAAT 1200
Db      1141  TCATTAAGGAGTGAATATCTAATCAACATCTCTCAGTGTCTTTGCCCATCTGAAAT 1200
Qy      1201  TCATTTCCCACTTTGTGCCCATTTCTCAAGACCTCAAAATGTCTATTTCAATATATCACA 1260
Db      1201  TCATTTCCCACTTTGTGCCCATTTCTCAAGACCTCAAAATGTCTATTTCAATATATCACA 1260
Qy      1261  GGATTAACCTTTTTTTTTTAACTGGAAGAAATTCATGTTTATCATGACGCTATGGAATTTA 1320

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Db	1261	GGATTAACTTTTAACTTGAAGAAATTCAAATGTTACATGCAGCTATGGGAATTTA	1320
Qy	1321	ATTACATATTTTTCAGTGCAGTGAAGATGACTAAGTCTTTATCGCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTTCAGTGCAGTGAAGATGACTAAGTCTTTATCGCTCCCTTTGTTT	1380
Qy	1381	GATTTTTCAGTATATAAGTTTAAATGCTTACGCTTTGACTGAGGCTGTATACAGCAC	1440
Db	1381	GATTTTTCAGTATATAAGTTTAAATGCTTACGCTTTGACTGAGGCTGTATACAGCAC	1440
Qy	1441	AGCTCTCCCATCCCTCCAGCCTTATCTGTATCAATCAACCTCCCTCCATACCACT	1500
Db	1441	AGCTCTCCCATCCCTCCAGCCTTATCTGTATCAATCAACCTCCCTCCATACCACT	1500
Qy	1501	AAACAAATCTAATCTGTAAATCTTGAACATGTACAGGATACATATTCCTTCGCT	1560
Db	1501	AAACAAATCTAATCTGTAAATCTTGAACATGTACAGGATACATATTCCTTCGCT	1560
Qy	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAATGATGAAGTTTGAATAAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAATGATGAAGTTTGAATAAGTTGACTA	1620
Qy	1621	TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATGACATGACAGCAAAATA	1680
Db	1621	TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATGACATGACAGCAAAATA	1680
Qy	1681	CTAAAGTGTAAATTTGATTAAGAGTTTAAATATATATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAGTGTAAATTTGATTAAGAGTTTAAATATATATGAAATGCAAGAGCCACAGA	1740
Qy	1741	GGCAATGTTTATGGGACAGTTTGTAAAGCTGGATGTGAAGCAAGGCGGAACTCA	1800
Db	1741	GGCAATGTTTATGGGACAGTTTGTAAAGCTGGATGTGAAGCAAGGCGGAACTCA	1800
Qy	1801	TAGTATCTTATATAATATCTTCATTTCTCTATCTATCACAATATCCAAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATCTTCATTTCTCTATCTATCACAATATCCAAAGCTTTT	1860
Qy	1861	CACAGATTCATGAGTGCAGAAATCCCAAGGTAACTTTATCCATTTCTATGAGTGC	1920
Db	1861	CACAGATTCATGAGTGCAGAAATCCCAAGGTAACTTTATCCATTTCTATGAGTGC	1920
Qy	1921	GCCTTAGAATTTTGGCAATCATATGCTGCTCACTTATCTCAATTTGAGATGTGTTGTC	1980
Db	1921	GCCTTAGAATTTTGGCAATCATATGCTGCTCACTTATCTCAATTTGAGATGTGTTGTC	1980
Qy	1981	TTGTAGTTAATGAAAGAAATAGGCACCTCTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAGTTAATGAAAGAAATAGGCACCTCTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
Qy	2041	AATAAGAAATTAACAAGACTACTACAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAGAAATTAACAAGACTACTACAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT	2100
Qy	2101	GT	2160
Db	2101	GT	2160
Qy	2161	TTAAACCAAGCATGTTTCAATAGGCATATGAGTGCACCAATGATGATCACCACCATAT	2220
Db	2161	TTAAACCAAGCATGTTTCAATAGGCATATGAGTGCACCAATGATGATCACCACCATAT	2220
Qy	2221	CTCATTTATTCAGTAAATGTGATATAATGTCATCTGTAAACATAAATAAGTTTGAC	2280
Db	2221	CTCATTTATTCAGTAAATGTGATATAATGTCATCTGTAAACATAAATAAGTTTGAC	2280
Qy	2281	TTCAAAAGCAGTGGAAATGACACCAATATGATGATGATGATGATGATGATGATGATGAT	2340
Db	2281	TTCAAAAGCAGTGGAAATGACACCAATATGATGATGATGATGATGATGATGATGATGAT	2340
Qy	2341	GCTACACACTGCTGACATATATTTAGAGACCACTCGCATTTTGGGGTCTCTTTAAGC	2400

Db	2341	GCTACACACTGCTGACATATATTTAGAGACCACTCGCATTTTGGGGTCTCTTTAAGC	2400
Qy	2401	AAAACTTTGCAATTAGGTCTCAGCTGGGCTGTGCAATCAGGCGTTTGGAGAAATATTC	2460
Db	2401	AAAACTTTGCAATTAGGTCTCAGCTGGGCTGTGCAATCAGGCGTTTGGAGAAATATTC	2460
Qy	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACCAGGTTG	2520
Db	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACCAGGTTG	2520
Qy	2521	GAGAGATTCAGACAGCTCAGGTGCTTTCACTAATGCTCTGAACTTCTGTGCTCTTTG	2580
Db	2521	GAGAGATTCAGACAGCTCAGGTGCTTTCACTAATGCTCTGAACTTCTGTGCTCTTTG	2580
Qy	2581	TGTTCAATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGATA	2640
Db	2581	TGTTCAATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGATA	2640
Qy	2641	TAAGAACTCTGAGTGCATATCAACATTTAGGATTTCAAGAAATATTAAGCTCACA	2700
Db	2641	TAAGAACTCTGAGTGCATATCAACATTTAGGATTTCAAGAAATATTAAGCTCACA	2700
Qy	2701	CTGGTCAAAAGGAAACCAAGATCAAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGGAAACCAAGATCAAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA	2760
Qy	2761	GCACAAACCAACAGCAGGACCCAAACGATGTCTGAGATCTTAAATCAAGGAAACCAAGT	2820
Db	2761	GCACAAACCAACAGCAGGACCCAAACGATGTCTGAGATCTTAAATCAAGGAAACCAAGT	2820
Qy	2821	TATGAGTTTGAATTTCTCTATTTATGATGCTAGCTTCTGGCCATCTCTGCTCTCTT	2880
Db	2821	TATGAGTTTGAATTTCTCTATTTATGATGCTAGCTTCTGGCCATCTCTGCTCTCTT	2880
Qy	2881	GACATATTTAGCTTCTAGCCTTTGCTTCCAGATTTTTCAGATCTTTTCTCCAAACATGCG	2940
Db	2881	GACATATTTAGCTTCTAGCCTTTGCTTCCAGATTTTTCAGATCTTTTCTCCAAACATGCG	2940
Qy	2941	TTACCAATCT	3000
Db	2941	TTACCAATCT	3000
Qy	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACTGAAT	3036
Db	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACTGAAT	3036

## RESULT 10

US-09-759-143-468  
; Sequence 468, Application US/09759143  
; Patent No. US200202248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, David C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqui  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C23  
; CURRENT APPLICATION NUMBER: US/09/759,143



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; CURRENT FILING DATE: 2011-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

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Query Match 38.1%; Score 1364; DB 9; Length 3112;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1774; Conservative 0; Mismatches 1; Indels 3

QY	285	GGTGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATCTGCTGGAATGG	344
DB	1313	GGTGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATCTGCTGGAATGG	1372
QY	345	AGATAATTAACATCAGCTAGAAAAAGCAAGATGACAAATAATATGCTAAGTAGTGACATGT	404
DB	1373	AGATAATTAACATCAGCTAGAAAAAGCAAGATGACAAATAATATGCTAAGTAGTGACATGT	1432
QY	405	TTTTTGACATTTCCAGGCCCTTTAAAAATATCCACACACAGAGGAAGCAAAAAAGGAAGCAC	464
DB	1433	TTTTTGACATTTCCAGGCCCTTTAAAAATATCCACACACAGAGGAAGCAAAAAAGGAAGCAC	1492
QY	465	AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGGTCAATGATGAGCCTCGCCCTGT	524
DB	1493	AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGGTCAATGATGAGCCTCGCCCTGT	1552
QY	525	GCCTGGTCCCGCTGTGAGGGAAGGACATTTAGAAAAATGAAATGATGTTGTTCCCTTAAGGA	584
DB	1553	GCCTGGTCCCGCTGTGAGGGAAGGACATTTAGAAAAATGAAATGATGTTGTTCCCTTAAGGA	1612
QY	585	TGGGCAGAAAAAGATCCCTGTTGTGATATTTATTTTGAACGGGATTTACAGATTTGAAAT	644
DB	1613	TGGGCAGAAAAAGATCCCTGTTGTGATATTTATTTTGAACGGGATTTACAGATTTGAAAT	1672
QY	645	GAAGTCAACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	704
DB	1673	GAAGTCAACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	1732
QY	705	CACAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGCAGGCAAGCTGGGG	764
DB	1733	CACAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGCAGGCAAGCTGGGG	1792
QY	765	AGGAGATAACACGGGGCAGAGGTCAGGATCTTGGCCCTGCTGCTTAAACTGTGGCTTC	824
DB	1793	AGGAGATAACACGGGGCAGAGGTCAGGATCTTGGCCCTGCTGCTTAAACTGTGGCTTC	1852
QY	825	ATAACCAAAATCATTTTCAATTTTCAACCCCTCAAAACAAAGCTGTGTAATATCTGATCTC	884
DB	1853	ATAACCAAAATCATTTTCAATTTTCAACCCCTCAAAACAAAGCTGTGTAATATCTGATCTC	1912
QY	885	TACGGTTCCTTCTGGGGCCCAACATTTCCCATATATCCAGGCAACCTCAATTTTAAATTTT	944
DB	1913	TACGGTTCCTTCTGGGGCCCAACATTTCCCATATATCCAGGCAACCTCAATTTTAAATTTT	1972
QY	945	AGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAATTTACTCATTTTGTTC	1004
DB	1973	AGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAATTTACTCATTTTGTTC	2032
QY	1005	AAAGACCTTTCTGCTGCTTAAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTG	1064
DB	2033	AAAGACCTTTCTGCTGCTTAAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTG	2092
QY	1065	GCCACGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATCTTA	1124
DB	2093	GCCACGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATCTTA	2152
QY	1125	CTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCTAATCAACATCATCTCAGTGCT	1184
DB	2153	CTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCTAATCAACATCATCTCAGTGCT	2212

## RESULT 11

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RESULT 11
US-09-780-669-468
; Sequence 468, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillion, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

```

APPLICANT:	Fanger, Gary R.
APPLICANT:	Retter, Marc W.
APPLICANT:	Stolk, John A.
APPLICANT:	Day, Craig H.
APPLICANT:	Vedvick, Thomas S.
APPLICANT:	Carter, Darrick
APPLICANT:	Li, Samuel
APPLICANT:	Wang, Aijun
APPLICANT:	Skeiky, Yasir A.W.
APPLICANT:	Hepler, William
APPLICANT:	Hural, John
APPLICANT:	McNeill, Patricia D.
APPLICANT:	Houghton, Raymond L.
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION:	DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE:	210121.427C24
CURRENT APPLICATION NUMBER:	US/09/780,669
CURRENT FILING DATE:	2001-02-09
NUMBER OF SEQ ID NOS:	943
SOFTWARE:	FastSeq for Windows Version 3.0
SEQ ID NO 468	
LENGTH:	3112
TYPE:	DNA
ORGANISM:	Homo sapiens
US-09-780-669-468	
Query Match	38.1%; Score 1364; DB 9; Length 3112;
Best Local Similarity	99.8%; Pred. No. 0;
Matches 1774; Conservative	0; Mismatches 1; Indels 3; Gaps 3;
Qy	285 GGTGAGAAATAAGAAAGGCTGCTGACATTTACCAFTCGAGGCCACACATCTGCTGAAATGG 344
Db	1313 GGTGAGAAATAAGAAAGGCTGCTGACATTTACCAFTCTGAGGCCACACATCTGCTGAAATGG 1372
Qy	345 AGATAATTAACATCAGTAGAAAAAGCAAGATGACAATAATATGCTGAAGTAGTGCATGT 404
Db	1373 AGATAATTAACATCAGTAGAAACAGCAAGATGACAATAATATGCTGAAGTAGTGCATGT 1432
Qy	405 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGGAAGCAAAAAGGAAGCAC 464
Db	1433 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGGAAGCAAAAAGGAAGCAC 1492
Qy	465 AGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 524
Db	1493 AGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 1552
Qy	525 GCCTGTCCCGCTTGTGAGGAAGGACATTAGAAAAATGAATGATGTGTTCTTTAAAGGA 584
Db	1553 GCCTGTCCCGCTTGTGAGGAAGGACATTAGAAAAATGAATGATGTGTTCTTTAAAGGA 1612
Qy	585 TGGCAGGAAAAACAGATCCTGTGTGATATTTTATTTGAAACGGGATTTACAGATTTGAAAT 644
Db	1613 TGGCAGGAAAAACAGATCCTGTGTGATATTTTATTTGAAACGGGATTTACAGATTTGAAAT 1672
Qy	645 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGCGCTT 704
Db	1673 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGCGCTT 1732
Qy	705 CACAAGACATGCACAAACAAAAATGGAATACTGTGATGACATGAGGCAGCCAGCTGGGG 764
Db	1733 CACAAGACATGCACAAACAAAAATGGAATACTGTGATGACATGAGGCAGCCAGCTGGGG 1792
Qy	765 AGGAGATAACACGGGGCAGGGGTCAAGGATTTCTGGCCCTGCTGCCTAAACTGTGCGTTC 824
Db	1793 AGGAGATAACACGGGGCAGGGGTCAAGGATTTCTGGCCCTGCTGCCTAAACTGTGCGTTC 1852
Qy	825 ATAAACCAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCTGATCTC 884
Db	1853 ATAAACCAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCTGATCTC 1912
Qy	885 TAGGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCACACTCATTTTTTAATATT 944
Db	1913 TAGGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCACACTCATTTTTTAATATT 1972

QY 2024 TAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGAGC 2061  
 Db 3051 TAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGAGC 3088

RESULT 12

US-09-822-827-468  
 ; Sequence 468, Application US/09822827  
 ; Patent No. US20020081680A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.534C1  
 ; CURRENT APPLICATION NUMBER: US/09/822,827  
 ; CURRENT FILING DATE: 2001-03-28  
 ; NUMBER OF SEQ ID NOS: 982  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 468  
 ; LENGTH: 3112  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-822-827-468

Query Match 38.1%; Score 1364; DB 9; Length 3112;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;  
 QY 285 GGTGAGAAATAAGAAAGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAATGG 344  
 Db 1313 GGTGAGAAATAAGAAAGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAATGG 1372  
 QY 345 AGATAATTAACATCACTAGAGAAACAGCAAGATGACATATATATGCTAAAGTAGTGACATGT 404  
 Db 1373 AGATAATTAACATCACTAGAGAAACAGCAAGATGACATATATGCTAAAGTAGTGACATGT 1432  
 QY 405 TTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAGCAAAAGAGGAC 464  
 Db 1433 TTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAGCAAAAGAGGAC 1492  
 QY 465 AGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGGTATCATGATGAGCCTGCCCTGT 524  
 Db 1493 AGAGATCCCTGGGAGAAATGCCGGCCCATCTTGGGTATCATGATGAGCCTGCCCTGT 1552  
 QY 525 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATGATGTTCTTAAAGGA 584  
 Db 1553 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATGATGTTCTTAAAGGA 1612  
 QY 585 TGGGCAAGGAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAT 644  
 Db 1613 TGGGCAAGGAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAT 1672  
 QY 645 GAAGTCAAAAGTGAAGATTTACCAATGAGGAGGAAAACAGACGAGAAATCTTGAATGCTTT 704  
 Db 1673 GAAGTCAAAAGTGAAGATTTACCAATGAGGAGGAAAACAGACGAGAAATCTTGAATGCTTT 1732  
 QY 705 CACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGATGATGATGATGATGATG 764  
 Db 1733 CACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGATGATGATGATGATGATG 1792  
 QY 765 AGGAGATAACACGGGGCAGAGGTCAGGATTCCTGGCCCTGCTGCCCTAAATCTGCGTTTC 824  
 Db 1793 AGGAGATAACACGGGGCAGAGGTCAGGATTCCTGGCCCTGCTGCCCTAAATCTGCGTTTC 1852  
 QY 825 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 884  
 Db 1853 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1912  
 QY 885 TACGGTTTCTTCTGGGGCCCAACATTTCCATATATATCCAGGACACATTTTAAATATTT 944  
 Db 1913 TACGGTTTCTTCTGGGGCCCAACATTTCCATATATATCCAGGACACATTTTAAATATTT 1972  
 QY 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTAATTAATTTTGTTC 1004

Db 1973 AGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGATAAATTAATTAATTTTGTTC 2032  
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 QY 1065 GCCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATACCTTA 1124  
 Db 2093 GCCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATACCTTA 2152  
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 Db 2153 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 2212  
 QY 1185 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244  
 Db 2213 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 2272  
 QY 1245 TTCCATTAATATCAAGGATTAATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACT 1304  
 Db 2273 TTCCATTAATATCAAGGATTAATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACT 2332  
 QY 1305 CAGCTATGGAATTTAATTAATTAATTTTCCAGTGCAGGATGACTTAAGTCTCTTTA 1364  
 Db 2333 CAGCTATGGAATTTAATTAATTAATTTTCCAGTGCAGGATGACTTAAGTCTCTTTA 2392  
 QY 1365 TCCTCCCTCTGTTGATTTTCCAGTATATAAGTATAAATGCTTAGCTTGTACTG 1424  
 Db 2393 TCCTCCCTCTGTTGATTTTCCAGTATATAAGTATAAATGCTTAGCTTGTACTG 2452  
 QY 1425 AGCTGTATACAG - CACAGCCTCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCT 1483  
 Db 2453 AGCTGTATACAGCAGCAGCCTCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCT 2512  
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 Db 2513 CCCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCTCCCATCT 2570  
 QY 1544 CATTTATTTCTGCTGCTGAGAGCTCTTCTCTCTCTTAAATCTTAAATCTTAAATCTTAAATCTTAAAT 1603  
 Db 2571 CATTTATTTCTGCTGCTGAGAGCTCTTCTCTCTCTTAAATCTTAAATCTTAAATCTTAAATCTTAAAT 2630  
 QY 1604 TTTGAATAAGTTGACTATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1663  
 Db 2631 TTTGAATAAGTTGACTATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2690  
 QY 1664 ACATGACAGCAAAATCTTAAAGTGTAAATTTGATTTAAGAGTTTAAATTAATTAATTAATTAATTAAT 1723  
 Db 2691 ACATGACAGCAAAATCTTAAAGTGTAAATTTGATTTAAGAGTTTAAATTAATTAATTAATTAATTAAT 2750  
 QY 1724 AATGCAAGAGCCACAGAGGGAATGTTTATGCGGCAGCTTTTAAAGCTGCGGATGTGAAGC 1783  
 Db 2751 AATGCAAGAGCCACAGAGGGAATGTTTATGCGGCAGCTTTTAAAGCTGCGGATGTGAAGC 2810  
 QY 1784 AAAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATCACTA 1843  
 Db 2811 AAAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATCACTA 2870  
 QY 1844 ATATCAACAGCTTTTCAAGAAATTTCAAGTGTGCAAAATCCCAAGAGGTAACCTTTATC 1903  
 Db 2871 ATATCAACAGCTTTTCAAGAAATTTCAAGTGTGCAAAATCCCAAGAGGTAACCTTTATC 2930  
 QY 1904 CATTTTCATGCTGAGTGGCTTTTAAAGTGTGCAAAATCATACCTGCTGCTGCTGCTGCTGCTGCTGCT 1963  
 Db 2931 CATTTTCATGCTGAGTGGCTTTTAAAGTGTGCAAAATCATACCTGCTGCTGCTGCTGCTGCTGCTGCT 2990  
 QY 1964 TTGAGATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2023  
 Db 2991 TTGAGATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3050  
 QY 2024 TAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGAGC 2061



QY 1784 AAAGGAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTATCACA 1843  
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Db 2871 ATATCAACAGCTTTTCACAGAAATTCATGCACTGCAATCCCAAGAGTAACCTTTATC 2930  
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QY 1904 CATTTCACTGTAGTGGCTTTTGAATTTTGGCAAAATCATACCTGCTCACTTATCTCACT 1963  
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Db 2931 CATTTCACTGTAGTGGCTTTTGAATTTTGGCAAAATCATACCTGCTCACTTATCTCACT 2990  
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QY 1964 TTGAGATGTGTTTGTCTTGTAGTAAATTTGAAAGAAATAGGCACTTCTTGTGAGCCACTT 2023  
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Db 2991 TTGAGATGTGTTTGTCTTGTAGTAAATTTGAAAGAAATAGGCACTTCTTGTGAGCCACTT 3050  
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QY 2024 TAGGTTCACTCTCGCAATAAGAAATTTTCAAGAGC 2061  
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Db 3051 TAGGTTCACTCTCGCAATAAGAAATTTTCAAGAGC 3088  
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RESULT 14  
US-09-895-814-468  
; Sequence 468, Application US/09895814  
; Publication No. US20020193296A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Darrick  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel X.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skelky, Yasir A.W.  
; APPLICANT: Hepler, William T.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Hural, John  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Vinals de Bassols, Carlota  
; APPLICANT: Poy, Teresa  
; APPLICANT: Fanger, Gary R.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C26  
; CURRENT APPLICATION NUMBER: US/09/895,814  
; CURRENT FILING DATE: 2001-06-29  
; NUMBER OF SEQ ID NOS: 990  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 468  
; LENGTH: 3112  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-895-814-468

Query Match 38.1%; Score 1364; DB 9; Length 3112;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;  
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Db 1373 AGATAATTAACATCACTAGAAAACAGCAAGATGATATATCTCTAAGTAGTGAATGT 1432  
| | | | |

QY 405 TTTTGCACATTTTCAGCCCTTTTAAATATCCACACACAGGAAGCACAAAAGAGCAC 464  
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QY 465 AGAGATCCCTGGGAGAAATGCCCGCGCGCATCTTGGGTGATCATGAGCCTGCCCTGT 524  
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Db 1493 AGAGATCCCTGGGAGAAATGCCCGCGCGCATCTTGGGTGATCATGAGCCTGCCCTGT 1552  
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QY 525 GCTGTGTCCTGCTTGTGAGGAAGGACATTTAGAAAATGAATTCATGTGTTCTTAAAGGA 584  
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Db 1553 GCTGTGTCCTGCTTGTGAGGAAGGACATTTAGAAAATGAATTCATGTGTTCTTAAAGGA 1612  
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QY 585 TGGGCAAGGAAAAACAGATCTCTGTTGTGGATATTTTATTGAAACGGATTTACAGATTTGAAAT 644  
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Db 1673 GAAGTCACAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT 1732  
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| | | | |  
Db 1733 CACAAGACATGCAACAAACAAATGGAATACCTGTGATGACATCAGGCAGCAAGCTGGGG 1792  
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Db 1853 ATAAACAAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1912  
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Db 1913 TAGGTTCTCTGCGGCCCAACATTTCTCATATATCCAGCCACATCATTTTAAATATTT 1972  
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Db 2033 AAAGACCTTCTGTTGCTGCTTAATATGATGCTGATCTGTTTCTTCAAGGAGTGTCTG 2092  
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| | | | |  
Db 2093 GCCGAGGATCTGTGAAACAGGCTGGAAGCATCTCAAGATCTTCCAGGTTTATCTTA 2152  
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QY 1245 TTCCATTATATACAGGATTAACCTTTTAACTTGAAGAAATTCATGTTTATCATG 1304  
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QY 1305 CAGCTATGGGAATTTAAATTTACATATTTTGTTCAGTGCAGGAGTGAATTCAGTGCCTTTA 1364  
| | | | |  
Db 2333 CAGCTATGGGAATTTAAATTTACATATTTTGTTCAGTGCAGGAGTGAATTCAGTGCCTTTA 2392  
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QY 1365 TCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAATGTTAAATGCTTAGCCTTGACTG 1424  
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Db 2393 TCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAATGTTAAATGCTTAGCCTTGACTG 2452  
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QY 1305 CAGCTATGGGAATTAATACATATTTGTGTTTCCAGTGCAAAAGATGACTTAAGTCCTTTA 1364
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Db |||||||
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QY 1724 AATGCAAGAGCCACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGTGAAGC 1783
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QY 1784 AAGGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTATCACA 1843
Db |||||||
AAGGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTATCACA 2870
QY 1844 ATATCCAAAGCTTTTTCAGAGATTCATGCAAGATCCCAAGGTAAGCTTTATC 1903
Db |||||||
ATATCCAAAGCTTTTTCAGAGATTCATGCAAGATCCCAAGGTAAGCTTTATC 2930
QY 1904 CATTTCATGAGTGCGCTTTAGAAATTTTGGCAAAATCATATGCTGCTCACTTATCTCAACT 1963
Db |||||||
CATTTCATGAGTGCGCTTTAGAAATTTTGGCAAAATCATATGCTGCTCACTTATCTCAACT 2990
QY 1964 TTGAGATGTTTGTCTGCTAGTAAATGCAAGAAATAGGGCAGCTCTGTGAGCCACTT 2023
Db |||||||
TTGAGATGTTTGTCTGCTAGTAAATGCAAGAAATAGGGCAGCTCTGTGAGCCACTT 3050
QY 2024 TAGGGTTCACTCTCTGGCAATAAAGAAATTTTCAAAAGAGC 2061
Db |||||||
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 12:06:32 ; Search time 131.224 Seconds  
(without alignments)  
10224.884 Million cell updates/sec

Title: US-09-402-713A-4  
Perfect score: 820  
Sequence: 1 aagaagtcgcatcagaaaa.....cattactcattttgttcaaa 820

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.\*  
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2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/prodata/1/ina/PCUTUS\_COMB.seq.\*  
6: /cgn2\_6/prodata/1/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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C 3	812	99.0	812	4	US-09-636-215-471
C 4	812	99.0	812	4	US-09-685-166A-471
C 5	812	99.0	812	4	US-09-679-426-471
C 6	812	99.0	812	4	US-09-759-143-471
C 7	812	99.0	812	4	US-09-651-236-471
C 8	724	88.3	2229	3	US-09-439-313-469
C 9	724	88.3	2229	3	US-09-352-616A-469
C 10	724	88.3	2229	3	US-09-636-215-469
C 11	724	88.3	2229	4	US-09-685-166A-469
C 12	724	88.3	2229	4	US-09-679-426-469
C 13	724	88.3	2229	4	US-09-759-143-469
C 14	724	88.3	2229	4	US-09-651-236-469
C 15	724	88.3	2426	3	US-09-439-313-470
C 16	724	88.3	2426	3	US-09-352-616A-470
C 17	724	88.3	2426	4	US-09-636-215-470
C 18	724	88.3	2426	4	US-09-685-166A-470
C 19	724	88.3	2426	4	US-09-679-426-470
C 20	724	88.3	2426	4	US-09-759-143-470
C 21	724	88.3	2426	3	US-09-651-236-470
C 22	724	88.3	3112	3	US-09-439-313-468
C 23	724	88.3	3112	3	US-09-352-616A-468
C 24	724	88.3	3112	4	US-09-636-215-468
C 25	724	88.3	3112	4	US-09-685-166A-468
C 26	724	88.3	3112	4	US-09-679-426-468
C 27	724	88.3	3112	4	US-09-759-143-468

28	724	88.3	3112	4	US-09-651-236-468	Sequence 468, App
29	723	88.2	3923	4	US-09-636-215-690	Sequence 690, App
30	723	88.2	3923	4	US-09-685-166A-690	Sequence 690, App
31	723	88.2	3923	4	US-09-679-426-690	Sequence 690, App
32	723	88.2	3923	4	US-09-759-143-690	Sequence 690, App
33	723	88.2	3923	4	US-09-651-236-690	Sequence 690, App
34	260	31.7	437	4	US-09-513-999C-10843	Sequence 10843, A
35	257	31.3	718	3	US-09-439-313-313	Sequence 313, App
36	257	31.3	718	3	US-09-352-616A-313	Sequence 313, App
37	257	31.3	718	3	US-09-636-215-313	Sequence 313, App
38	257	31.3	718	4	US-09-685-166A-313	Sequence 313, App
39	257	31.3	718	4	US-09-679-426-313	Sequence 313, App
40	257	31.3	718	4	US-09-759-143-313	Sequence 313, App
41	257	31.3	718	4	US-09-651-236-313	Sequence 313, App
42	257	31.3	718	4	US-09-621-976-15110	Sequence 15110, A
43	241	29.4	481	4	US-09-439-313-287	Sequence 287, App
44	241	29.4	481	4	US-09-439-313-287	Sequence 287, App
45	179	21.8	301	3	US-09-439-313-287	Sequence 287, App

## ALIGNMENTS

RESULT 1  
US-09-439-313-471/c  
; Sequence 471, Application US/09439313  
; Patent No. 6329505  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Harlocker, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Jiang Yuqi  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Panger, Gary  
; APPLICANT: Retter, Mark  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 21021.427C9  
; CURRENT APPLICATION NUMBER: US/09/439,313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 471  
; LENGTH: 812  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-439-313-471

QY	6	CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCGAGGAGACCCAGGAAGA	65
DB	812	CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCGAGGAGACCCAGGAGA	753
QY	66	TTTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	125
DB	752	TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	693
QY	126	TACCATCTGAGGCCACACATCTCTGAAATGGAGATAATTACATCACTAGAACAGCAA	185
DB	692	TACCATCTGAGGCCACACATCTCTGAAATGGAGATAATTACATCACTAGAACAGCAA	633
QY	186	GATGACAAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGGCCCTTTTAATA	245
DB	632	GATGACAAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGGCCCTTTTAATA	573
QY	246	TCCACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGAAATGCCGCGCG	305



; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.42717C17  
 ; CURRENT APPLICATION NUMBER: US/09/636,215  
 ; CURRENT FILING DATE: 2000-08-10  
 ; NUMBER OF SEQ ID NOS: 852  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-636-215-471

Query Match 99.0%; Score 812; DB 4; Length 812;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	6	CTGGCATCAGAAAACAGAGGGGAGATTGTGTGGCTGCGAGCGGAGAGACAGGAAGA	65
DB	812	CTGGCATCAGAAAACAGAGGGGAGATTGTGTGGCTGCGAGCGGAGAGACAGGAAGA	753
QY	66	CTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	125
DB	752	CTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	693
QY	126	TACCATCTGAGGCCACACATCTCTGAAATGAGATAATTAACATCACTAGAAACAGCAA	185
DB	692	TACCATCTGAGGCCACACATCTCTGAAATGAGATAATTAACATCACTAGAAACAGCAA	633
QY	186	GATGACATATATGTTCTAAGTAGTGACATGTTTTTGGCATTTTCAGCCCTTTAAATA	245
DB	632	GATGACATATATGTTCTAAGTAGTGACATGTTTTTGGCATTTTCAGCCCTTTAAATA	573
QY	246	TCCACACACACAGAGGAGCAAAAGGAGATCCCTGGGAGAAATGCCCGCCG	305
DB	572	TCCACACACACAGAGGAGCAAAAGGAGATCCCTGGGAGAAATGCCCGCCG	513
QY	306	CCATCTTGGGTTCATGAGCCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTG	365
DB	512	CCATCTTGGGTTCATGAGCCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTG	453
QY	366	TTAGAAAATGAATGATGTTCTTAAAGGATGGCAGGAGAAACAGATCCTGTTGGA	425
DB	452	TTAGAAAATGAATGATGTTCTTAAAGGATGGCAGGAGAAACAGATCCTGTTGGA	393
QY	426	TATTTTATTTGAACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGGCAATTA	485
DB	392	TATTTTATTTGAACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGGCAATTA	333
QY	486	GAGGAAAACAGAGGAGAAATCTTGTGCTTTTCAAGACATGCAACAAACAAATGGAA	545

RESULT 4  
 US-09-685-166A-471/C  
 ; Sequence 471, Application US/09685166A  
 ; Patent No. 6630305  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqi  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.427C21  
 ; CURRENT APPLICATION NUMBER: US/09/685,166A  
 ; CURRENT FILING DATE: 2000-10-10  
 ; NUMBER OF SEQ ID NOS: 898  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 471  
 ; LENGTH: 812  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-685-166A-471

Query Match 99.0%; Score 812; DB 4; Length 812;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	6	CTGGCATCAGAAAACAGAGGGGAGATTGTGTGGCTGCGAGCGGAGAGACAGGAAGA	65
DB	812	CTGGCATCAGAAAACAGAGGGGAGATTGTGTGGCTGCGAGCGGAGAGACAGGAAGA	753
QY	66	CTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	125
DB	752	CTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	693
QY	126	TACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCACTAGAAACAGCAA	185
DB	692	TACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCACTAGAAACAGCAA	633
QY	186	GATGACATATATGTTCTAAGTAGTGACATGTTTTTGGCATTTTCAGCCCTTTAAATA	245
DB	632	GATGACATATATGTTCTAAGTAGTGACATGTTTTTGGCATTTTCAGCCCTTTAAATA	573
QY	246	TCCACACACACAGGAGCAAAAGGAGATCCCTGGGAGAAATGCCCGCCG	305
DB	572	TCCACACACACAGGAGCAAAAGGAGATCCCTGGGAGAAATGCCCGCCG	513
QY	306	CCATCTTGGGTTCATGAGCCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTG	365
DB	512	CCATCTTGGGTTCATGAGCCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTG	453
QY	366	TTAGAAAATGAATGATGTTCTTAAAGGATGGCAGGAGAAACAGATCCTGTTGGA	425
DB	452	TTAGAAAATGAATGATGTTCTTAAAGGATGGCAGGAGAAACAGATCCTGTTGGA	393
QY	426	TATTTTATTTGAACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGGCAATTA	485
DB	392	TATTTTATTTGAACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGGCAATTA	333
QY	486	GAGGAAAACAGAGGAGAAATCTTGTGCTTTTCAAGACATGCAACAAACAAATGGAA	545

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Db 332 GAGGAAAAACAGACGAGAAATCTTGATGCTTCAAGACATGCAACAACAAATGGAA 273
QY 546 TACTGTGATGACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGAGAGGTGAG 605
Db 272 TACTGTGATGACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGAGAGGTGAG 213
QY 606 GATTCGGCCCTGCTGCTTAACTGCTTCAACCAAAATCATTTTCAATTTCTAAC 665
Db 212 GATTCGGCCCTGCTGCTTAACTGCTTCAACCAAAATCATTTTCAATTTCTAAC 153
QY 666 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTTCTC 725
Db 152 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTTCTC 93
QY 726 CATATATCAGGACACTCATTTTAAATTTAGTTTCCAGATCTGTGAGTCTGAGCTTTTC 785
Db 92 CATATATCAGGACACTCATTTTAAATTTAGTTTCCAGATCTGTGAGTCTGAGCTTTTC 33
QY 786 TACACTGTAGATAAATCACTTACTCATTTTGTTC 817
Db 32 TACACTGTAGATAAATCACTTACTCATTTTGTTC 1
```

## RESULT 5

US-09-679-426-471/c  
; Sequence 471, Application US/09679426  
; Patent No. 6759515

; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.  
; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426  
; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895  
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471  
; LENGTH: 812

; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-679-426-471

Query Match 99.0%; Score 812; DB 4; Length 812;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGGGAGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGGGAGAGACCAGGAAGA 753
QY 66 TCTGCTATGTTGGGAGGAGCTGATGATACAGAGGTGAGAAATAAGAAAGCTGCTCACTT 125
Db 752 TCTGCTATGTTGGGAGGAGCTGATGATACAGAGGTGAGAAATAAGAAAGCTGCTCACTT 693
QY 126 TACCATCTGAGGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAA 185
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Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAAACAGCAA 633
QY 186 GATGCAATATATATCTTAAGTAGTGACATGTTTTTGGACATTTCCAGCCCTTTAAATA 245
Db 632 GATGCAATATATATCTTAAGTAGTGACATGTTTTTGGACATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAAAGCAGAAAAGCAGACAGAGATCCCTGGGAGAAAATGCCCGGCG 305
Db 572 TCCACACACACAGGAAAGCAGAAAAGCAGACAGAGATCCCTGGGAGAAAATGCCCGGCG 513
QY 306 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 365
Db 512 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 453
QY 366 TTAGAAAATGAATGATGTTTCTTAAAGATGGGAGGAAAACAGATCCTGTTGTGGA 425
Db 452 TTAGAAAATGAATGATGTTTCTTAAAGATGGGAGGAAAACAGATCCTGTTGTGGA 393
QY 426 TATTTTATTTGAACGGATTTACAGATTTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTTATTTGAACGGATTTACAGATTTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAACAGACGAGAAAATCTTCATGCTTCAACAAGTCAACAACAAAATGGAA 545
Db 332 GAGGAAAACAGACGAGAAAATCTTCATGCTTCAACAAGTCAACAACAAAATGGAA 273
QY 546 TACTGTGATGATGAGGAGCAGCTGGGAGGAGATAACACGGGCGAGGGTTCAG 605
Db 272 TACTGTGATGATGAGGAGCAGCTGGGAGGAGATAACACGGGCGAGGGTTCAG 213
QY 606 GATTCGGCCCTGCTGCTTAACTGCTTCAACCAAAATCATTTTCAATTTCTAAC 665
Db 212 GATTCGGCCCTGCTGCTTAACTGCTTCAACCAAAATCATTTTCAATTTCTAAC 153
QY 666 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTTCTC 725
Db 152 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTTCTC 93
QY 726 CATATATCAGGACACTCATTTTAAATTTAGTTTCCAGATCTGTGAGTCTGAGCTTTTC 785
Db 92 CATATATCAGGACACTCATTTTAAATTTAGTTTCCAGATCTGTGAGTCTGAGCTTTTC 33
QY 786 TACACTGTAGATAAATCACTTACTCATTTTGTTC 817
Db 32 TACACTGTAGATAAATCACTTACTCATTTTGTTC 1
```

## RESULT 6

US-09-759-143-471/c  
; Sequence 471, Application US/09759143

; Patent No. 6800746  
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui  
; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.  
; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143



Db 272 TACTGTGATGACATGAGCGCAGCCAAAGCTGGGAGGAGATAAACACCGGGCAGAGGCTCAG 213  
 Qy 606 GATTCTGGCCCTGCTGCTAAAGCTGGCTTCAATACCAAAATCATTTTCAATTTTAAAC 665  
 Db 212 GATTCTGGCCCTGCTGCTAAAGCTGGCTTCAATACCAAAATCATTTTCAATTTTAAAC 153  
 Qy 666 CTCAAAACAAAGCTGTTGTAATATCTGATCTTACCGTTCTTCTGGGCCCAACATTTCTC 725  
 Db 152 CTCAAAACAAAGCTGTTGTAATATCTGATCTTACCGTTCTTCTGGGCCCAACATTTCTC 93  
 Qy 726 CATATATCCAGGCACACTCATTTTAAATTAATTTAGTTCCAGATCTCTGAGACCTTTC 785  
 Db 92 CATATATCCAGGCACACTCATTTTAAATTAATTTAGTTCCAGATCTCTGAGACCTTTC 33  
 Qy 786 TACACTGTAGAATAAATTAATTTGTTTC 817  
 Db 32 TACACTGTAGAATAAATTAATTTGTTTC 1

RESULT 8

US-09-439-313-469/c  
 ; Sequence 469, Application US/09439313  
 ; Patent No. 6329505  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang Yuqui  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Kalos, Michael  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Retter, Mark  
 ; APPLICANT: Solk, John  
 ; APPLICANT: Day, Craig  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C9  
 ; CURRENT APPLICATION NUMBER: US/09/439,313  
 ; CURRENT FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 575  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 469  
 ; LENGTH: 2229  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-439-313-469

Query Match 88.3%; Score 724; DB 3; Length 2229;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
 Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717  
 Qy 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTAAGTAGTGACATG 216  
 Db 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTAAGTAGTGACATG 1657  
 Qy 217 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276  
 Db 1656 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1597  
 Qy 277 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCATCGATGAGCCCTCGCCCTG 336  
 Db 1596 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCATCGATGAGCCCTCGCCCTG 1537  
 Qy 337 TGGCTGGTCCCGTTGTGAGGGAAGGACATAGAAAATGAATGATGTTCTCTTAAGG 396  
 Db 1536 TGGCTGGTCCCGTTGTGAGGGAAGGACATAGAAAATGAATGATGTTCTCTTAAGG 1477

Qy 397 ATGGGCAGGAAACAGATCCTCTTGTGGATATTTATTTGAAACGGGATTAACAGATTTGAAA 456  
 Db 1476 ATGGGCAGGAAACAGATCCTCTTGTGGATATTTATTTGAAACGGGATTAACAGATTTGAAA 1417  
 Qy 457 TGAAGTCACAAAGTGAAGTACCAATGAGAGGAAACAGAGAGAAATCTTGATGGCT 516  
 Db 1416 TGAAGTCACAAAGTGAAGTACCAATGAGAGGAAACAGAGAGAAATCTTGATGGCT 1357  
 Qy 517 TCACAGAGCATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCTGGG 576  
 Db 1356 TCACAGAGCATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCTGGG 1297  
 Qy 577 GAGGAGATAACCAACGGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 636  
 Db 1296 GAGGAGATAACCAACGGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 1237  
 Qy 637 CATACCAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCT 696  
 Db 1236 CATACCAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCT 1177  
 Qy 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 756  
 Db 1176 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 1117  
 Qy 757 TAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTAATCTCATTTTGT 816  
 Db 1116 TAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTAATCTCATTTTGT 1057  
 Qy 817 CAAA 820  
 Db 1056 CAAA 1053

RESULT 9

US-09-352-616A-469/c  
 ; Sequence 469, Application US/09352616A  
 ; Patent No. 6395278  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang, Yuqui  
 ; APPLICANT: Mitcham, Jennifer Lynn  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 ; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210121.427C8  
 ; CURRENT APPLICATION NUMBER: US/09/352,616A  
 ; CURRENT FILING DATE: 1999-07-13  
 ; NUMBER OF SEQ ID NOS: 472  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 469  
 ; LENGTH: 2229  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-352-616A-469

Query Match 88.3%; Score 724; DB 3; Length 2229;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
 Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717  
 Qy 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTAAGTAGTGACATG 216  
 Db 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTAAGTAGTGACATG 1657  
 Qy 217 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276  
 Db 1656 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1597  
 Qy 277 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCATCGATGAGCCCTCGCCCTG 336

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1596 DB      CAGAGATCCCTGGGAGAAATGSCCGCGCCGATCTTTGGGTCATCGATGAGCCTCGCCCTG 1537
337  QY      TGCCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGG 396
1536 DB      TGCCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGG 1477
397  QY      ATGGGCAAGGAAAACAGATCCTGTGTGGATATTTATTTGAACCGGATTAACAGATTTGAAA 456
1476 DB      ATGGGCAAGGAAAACAGATCCTGTGTGGATATTTATTTGAACCGGATTAACAGATTTGAAA 1417
457  QY      TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCT 516
1416 DB      TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCT 1357
517  QY      TCACAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATGATGATGATG 576
1356 DB      TCACAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATGATGATG 1297
577  QY      GAGGAGATAACACGCGGCGAGAGGTCAGGATTTCTGACCTTAAACAAAGCTGTTGTAATATCTGATCT 636
1296 DB      GAGGAGATAACACGCGGCGAGAGGTCAGGATTTCTGACCTTAAACAAAGCTGTTGTAATATCTGATCT 1237
637  QY      CATAACCAATCATTTTCATATTTCTAACCTTAAACAAAGCTGTTGTAATATCTGATCT 696
1236 DB      CATAACCAATCATTTTCATATTTCTAACCTTAAACAAAGCTGTTGTAATATCTGATCT 1177
697  QY      CTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCACACATTTTAAATATTT 756
1176 DB      CTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCACACATTTTAAATATTT 1117
757  QY      TAGTCCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAATTTGTT 816
1116 DB      TAGTCCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAATTTGTT 1057
817  QY      CAAA 820
1056 DB      CAAA 1053

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RESULT 10

US-09-636-215-469/c

; Sequence 469, Application US/09636215

; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636,215

; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-636-215-469

Query Match

Best Local Similarity 88.3%; Score 724; DB 4; Length 2229;

Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAAGGCTGCTGATCTTTACCATCTGAGGCCACACATCTGCTGAAATG 156

DB 1776 AGGTGAGAAATAGAAAAGGCTGCTGATCTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTTAAACATCACTAGAACAGCAAGATGACAAATAATATGCTTAAGTAGTGACATG 216

DB 1716 GAGATAATTTAAACATCACTAGAACAGCAAGATGACAAATAATATGCTTAAGTAGTGACATG 1657

QY 217 TTTTTCACATTTTCAGACCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCA 276

DB 1656 TTTTTCACATTTTCAGACCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCGCGCCGATCTTTGGGTCTGATGAGCCTCGCCCTG 336

DB 1596 CAGAGATCCCTGGGAGAAATGCGCGCCGATCTTTGGGTCTGATGAGCCTCGCCCTG 1537

QY 337 TGCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGG 396

DB 1536 TGCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTTAAAGG 1477

QY 397 ATGGGCGAGAAAACAGATCTGTGTGGATATTTTAAACCGGATTTACAGATTTGAAA 456

DB 1476 ATGGGCGAGAAAACAGATCTGTGTGGATATTTTAAACCGGATTTACAGATTTGAAA 1417

QY 457 TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCT 516

DB 1416 TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCT 1357

QY 517 TCACAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATGATGATG 576

DB 1356 TCACAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATGATGATG 1297

QY 577 GAGGAGATAACACGCGGCGAGAGGTCAGGATTTCTGACCTTAAACAAAGCTGTTGTAATATCTGATCT 636

DB 1296 GAGGAGATAACACGCGGCGAGAGGTCAGGATTTCTGACCTTAAACAAAGCTGTTGTAATATCTGATCT 1237

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QY 817 CAAA 820

DB 1056 CAAA 1053

RESULT 11

US-09-685-166A-469/c

; Sequence 469, Application US/09685166A

; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.



APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C21  
CURRENT APPLICATION NUMBER: US/09/685,166A  
CURRENT FILING DATE: 2000-10-10  
NUMBER OF SEQ ID NOS: 898  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 469  
LENGTH: 2229  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-685-166A-469

Query Match 88.3%; Score 724; DB 4; Length 2229;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
DB 1776 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 216  
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 1657

QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 276  
DB 1656 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCCGCGCCATCTTGGGTTCATGATGAGCCCTCGCCCTG 336  
DB 1596 CAGAGATCCCTGGGAGAAATGCCGCGCCATCTTGGGTTCATGATGAGCCCTCGCCCTG 1537

QY 337 TGCTGTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTGTTCTTTAAAGG 396  
DB 1536 TGCTGTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTGTTCTTTAAAGG 1477

QY 397 ATGGGAGAAAAACAGATCCTGTGTGGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 456  
DB 1476 ATGGGAGAAAAACAGATCCTGTGTGGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 1417

QY 457 TGAAGTCAAAAGTGGAGCAATTCACATGAGAGGAAACAGACAGAGAAATCTTGATGGCT 516  
DB 1416 TGAAGTCAAAAGTGGAGCAATTCACATGAGAGGAAACAGACAGAGAAATCTTGATGGCT 1357

QY 517 TCACAAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGAGCAAGCTGGG 576

QY 817 CAAA 820  
DB 1056 CAAA 1053

RESULT 12  
US-09-679-426-469/c  
Sequence 469, Application US/09679426  
Patent No. 6759515  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yuqui  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C20  
CURRENT APPLICATION NUMBER: US/09/679,426  
CURRENT FILING DATE: 2000-10-02  
NUMBER OF SEQ ID NOS: 895  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 469  
LENGTH: 2229  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-679-426-469

Query Match 88.3%; Score 724; DB 4; Length 2229;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
DB 1776 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 216  
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 1657

QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 276  
DB 1656 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCCGCGCCATCTTGGGTTCATGATGAGCCCTCGCCCTG 336  
DB 1596 CAGAGATCCCTGGGAGAAATGCCGCGCCATCTTGGGTTCATGATGAGCCCTCGCCCTG 1537

QY 337 TGCTGTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTGTTCTTTAAAGG 396  
DB 1536 TGCTGTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTGTTCTTTAAAGG 1477

QY 397 ATGGGAGAAAAACAGATCCTGTGTGGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 456  
DB 1476 ATGGGAGAAAAACAGATCCTGTGTGGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 1417

QY 457 TGAAGTCAAAAGTGGAGCAATTCACATGAGAGGAAACAGACAGAGAAATCTTGATGGCT 516  
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QY 517 TCACAAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGAGCAAGCTGGG 576





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; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-469

Query Match      88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAAATG 156
Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATAATTAACATCACTAGAACACAGATGACATATTAATGCTTAAGTAGTGACATG 216
Db 1716 GAGATAATTAACATCACTAGAACACAGATGACATATTAATGCTTAAGTAGTGACATG 1657
QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276
Db 1656 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1597
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 336
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QY 337 TGCCTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGCTGCTTAAAGG 396
Db 1536 TGCCTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGCTGCTTAAAGG 1477
QY 397 ATGGGAGGAGAAACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTTGAAA 456
Db 1476 ATGGGAGGAGAAACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTTGAAA 1417
QY 457 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAATCTTTGATGGCT 516
Db 1416 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAATCTTTGATGGCT 1357
QY 517 TCACAGACATGCAACAAACAAATCGAATCTGATGATGACATGAGGAGGAGGAGGAGGAGG 576
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QY 577 GAGGAGATTAACACGCGGAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 636
Db 1296 GAGGAGATTAACACGCGGAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 1237
QY 637 CATTAACAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1236 CATTAACAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 1177
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 756
Db 1176 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 1117
QY 757 TAGTTCCTCCAGATCTGATCTGAGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGT 816
Db 1116 TAGTTCCTCCAGATCTGATCTGAGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGT 1057
QY 817 CAAA 820
Db 1056 CAAA 1053

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RESULT 15
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.

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; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

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Query Match      88.3%; Score 724; DB 3; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAAATG 156
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QY 157 GAGATAATTAACATCACTAGAACACAGCAAGATGACATATTAATGCTTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACAGCAAGATGACATATTAATGCTTAAGTAGTGACATG 1651
QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276
Db 1650 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGCTGCTTAAAGG 396
Db 1530 TGCCTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGCTGCTTAAAGG 1471
QY 397 ATGGGAGGAGAAACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTTGAAA 456
Db 1470 ATGGGAGGAGAAACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTTGAAA 1411
QY 457 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAATCTTTGATGGCT 516
Db 1410 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAATCTTTGATGGCT 1351
QY 517 TCACAGACATGCAACAAACAAATCGAATCTGATGATGACATGAGGAGGAGGAGGAGGAGG 576
Db 1350 TCACAGACATGCAACAAACAAATCGAATCTGATGATGACATGAGGAGGAGGAGGAGGAGG 1291
QY 577 GAGGAGATTAACACGCGGAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 636
Db 1290 GAGGAGATTAACACGCGGAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 1231
QY 637 CATTAACAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATTAACAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 1171
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 756
Db 1170 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 1111
QY 757 TAGTTCCTCCAGATCTGATCTGAGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGT 816
Db 1110 TAGTTCCTCCAGATCTGATCTGAGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGT 1051
QY 817 CAAA 820
Db 1050 CAAA 1047

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Copyright (c) 1993 - 2005 Compugen Ltd.

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Perfect score: 820

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Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	812	99.0	812	9	US-09-780-669-471
4	812	99.0	812	9	US-09-822-827-471
5	812	99.0	812	9	US-09-895-793-471
6	812	99.0	812	9	US-09-895-814-471
7	812	99.0	812	13	US-10-012-896-471
8	812	99.0	812	14	US-10-010-940-471
9	812	99.0	812	16	US-10-144-678A-471
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c 23	724	88.3	2426	9	US-09-895-793-470	Sequence 470, App
c 24	724	88.3	2426	9	US-09-895-814-470	Sequence 470, App
c 25	724	88.3	2426	13	US-10-012-896-470	Sequence 470, App
c 26	724	88.3	2426	14	US-10-010-940-470	Sequence 470, App
c 27	724	88.3	2426	15	US-10-205-823-448	Sequence 448, App
c 28	724	88.3	2426	16	US-10-144-678A-470	Sequence 470, App
c 29	724	88.3	2426	16	US-10-294-025-470	Sequence 470, App
c 30	724	88.3	3112	9	US-09-759-143-468	Sequence 468, App
c 31	724	88.3	3112	9	US-09-780-669-468	Sequence 468, App
c 32	724	88.3	3112	9	US-09-822-827-468	Sequence 468, App
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c 40	723	88.2	3923	9	US-09-780-669-690	Sequence 690, App
c 41	723	88.2	3923	9	US-09-822-827-690	Sequence 690, App
c 42	723	88.2	3923	9	US-09-895-793-690	Sequence 690, App
c 43	723	88.2	3923	9	US-09-895-814-690	Sequence 690, App
c 44	723	88.2	3923	13	US-10-012-896-690	Sequence 690, App
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ALIGNMENTS

RESULT 1

US-09-957-708-3

Sequence 3, Application US/09957708

Publication No. US20030031678A1

GENERAL INFORMATION:

APPLICANT: Sun, Yongming

APPLICANT: Recipon, Herve

APPLICANT: Cafferkey, Robert

APPLICANT: Ali, Shujath

TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific

FILE REFERENCE: DEX-0239

CURRENT FILING DATE: 2001-09-19

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3

LENGTH: 876

TYPE: DNA

ORGANISM: Homo sapiens

US-09-957-708-3

Query Match	100.0%	Score 820;	DB 10;	Length 876;
Best Local Similarity	100.0%	Pred. No. 0;		
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Qy	66	TCTGCATGTGTGGAAAGCACCTGATGATACAGAGGTGAGAAATTAAGAAAGCTCTGACTT	125
Db	752	TCTGCATGTGTGGAAAGCACCTGATGATACAGAGGTGAGAAATTAAGAAAGCTCTGACTT	693
Qy	126	TACCATCTGAGGCCACACATCTGCTGAAATGGAGATATTTAAATCATCACTAGAAACAGCAA	185
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Qy	246	TCCACACACACAGGAAGCAGAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCCG	305
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Db	512	CCATCTTTGGGTTCATCGATGAGCCTTCGCCCTGTGCCTCGCTTCGCCCTGTGAGGGAAGGACA	453
Qy	366	TTAGAAAATGAAATTGATGTGTTCTTTAAAGGATGGGCAGGAAAACAGATCCTGTGTGGA	425
Db	452	TTAGAAAATGAAATTGATGTGTTCTTTAAAGGATGGGCAGGAAAACAGATCCTGTGTGGA	393
Qy	426	TATTTATTTTGAACGGGATTCAGATTTTGAATGAAATGAAAGTCACAAAGTGAGCATTACCAATGA	485





Qy	606	GATCTGGCCCTGCTGCTAAACTGTCGTTTATAACCAATCATTTTCTAATCTTCAAC	665
Db	212	GATCTGGCCCTGCTGCTAAACTGTCGTTTATAACCAATCATTTTCTAATCTTCAAC	153
Qy	666	CTCAAAACAAGCTGTTGAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTC	725
Db	152	CTCAAAACAAGCTGTTGAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTC	93
Qy	726	CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTTC	785
Db	92	CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTTC	33
Qy	786	TACACTGTGAATAAACATTTCTTGTTC	817
Db	32	TACACTGTGAATAAACATTTCTTGTTC	1
RESULT 7			
US-10-012-896-471/c			
; Sequence 471, Application US/10012896			
; Publication No. US20020183251A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqiu			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel X.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William T.			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Hural, John			
; APPLICANT: McNeill, Patricia D.			
; APPLICANT: Houghton, Raymond L.			
; APPLICANT: Vinals de Bassols, Carlota			
; APPLICANT: Foy, Teresa			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Wantanabe, Yoshihiro			
; APPLICANT: Meagher, Madeleine Joy			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.427C27			
; CURRENT APPLICATION NUMBER: US/10/012,896			
; CURRENT FILING DATE: 2001-12-10			
; NUMBER OF SEQ ID NOS: 1011			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 471			
; LENGTH: 812			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-012-896-471			
Query Match 99.0%; Score 812; DB 13; Length 812;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	6	CTGGCATCAGAAAAACAGAGCGGAGATTTCTGTGGCTGACGCGAGGAGACCAAGAGA	65
Db	812	CTGGCATCAGAAAAACAGAGCGGAGATTTCTGTGGCTGACGCGAGGAGACCAAGAGA	753
Qy	66	TCTGCATGTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	125
Db	752	TCTGCATGTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	693
Qy	126	TACATCTGAGGCGACACATCTCTGTAATGGAGATTAATTAACATCACTAGAAACAGCA	185
Db	692	TACATCTGAGGCGACACATCTCTGTAATGGAGATTAATTAACATCACTAGAAACAGCA	633
Qy	186	GATGACAATAATGTCTAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATA	245
Db	632	GATGACAATAATGTCTAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATA	573
Qy	246	TCACACACACAGGAAGCACAAGGAAGCAGACAGATCCCTGGGAGAAATGCCCGCGG	305
Db	572	TCACACACACAGGAAGCACAAGGAAGCAGACAGATCCCTGGGAGAAATGCCCGCGG	513
Qy	306	CCATCTTGGGTATCGATGAGCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	365
Db	512	CCATCTTGGGTATCGATGAGCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	453
Qy	366	TTAGAAAAATGAATTTGATGTTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAGG	425
Db	452	TTAGAAAAATGAATTTGATGTTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAGG	393
Qy	426	TATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA	485
Db	392	TATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA	333
Qy	486	GAGAAAAACAGCAGAGAAATCTTGATGGCTTCAAGACATGCAACAAATGGAA	545
Db	332	GAGAAAAACAGCAGAGAAATCTTGATGGCTTCAAGACATGCAACAAATGGAA	273
Qy	546	TACTGTGATGATGAGGAGCAAGCTGGGAGGAGATTAACACCGGGCAGAGGCTCAG	605
Db	272	TACTGTGATGATGAGGAGCAAGCTGGGAGGAGATTAACACCGGGCAGAGGCTCAG	213







; APPLICANT: Houghton, Raymond L.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; FILE REFERENCE: 210121.427C24  
; CURRENT APPLICATION NUMBER: US/09/780,669  
; CURRENT FILING DATE: 2001-02-09  
; NUMBER OF SEQ ID NOS: 943  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 469  
; LENGTH: 2229  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-780-669-469

Query Match 88.3%; Score 724; DB 9; Length 2229;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717  
QY 157 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTGACATG 216  
DB 1716 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTGACATG 1657  
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 276  
DB 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 1597  
QY 277 CAGAGATCCTTGGAGAAATGCCGGCCGCATCTTGGGTCTCGATGAGCCTCGCCCTG 336  
DB 1596 CAGAGATCCTTGGAGAAATGCCGGCCGCATCTTGGGTCTCGATGAGCCTCGCCCTG 1537  
QY 337 TGCCTGCTCCCGTTGTGAGGAAGACATTTAGAAAATGAATGATGTTCTCTTAAAGG 396  
DB 1536 TGCCTGCTCCCGTTGTGAGGAAGACATTTAGAAAATGAATGATGTTCTCTTAAAGG 1477  
QY 397 ATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAA 456  
DB 1476 ATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAA 1417  
QY 457 TGAAGTCAAAAGTGAAGATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGTGGCT 516  
DB 1416 TGAAGTCAAAAGTGAAGATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGTGGCT 1357  
QY 517 TCACAAGACATGCAACAAACAAATGGAATGCAATGATGATGATGATGAGCAGCAGCAGCTGGG 576  
DB 1356 TCACAAGACATGCAACAAACAAATGGAATGCAATGATGATGATGATGAGCAGCAGCAGCTGGG 1297  
QY 577 GAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGGTT 636  
DB 1296 GAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGGTT 1237  
QY 637 CATTAACAAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTGTAATATCTGATCT 696  
DB 1236 CATTAACAAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTGTAATATCTGATCT 1177  
QY 697 CTACGGTTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATTT 756  
DB 1176 CTACGGTTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATTT 1117  
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTTACTCAATTTTGT 816  
DB 1116 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTTACTCAATTTTGT 1057  
QY 817 CAAA 820  
DB 1056 CAAA 1053

RESULT 13

US-09-822-827-469/c

; Sequence 469, Application US/09822827  
; Patent No. US20020081680A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.534C1  
; CURRENT APPLICATION NUMBER: US/09/822,827  
; CURRENT FILING DATE: 2001-03-28  
; NUMBER OF SEQ ID NOS: 982  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 469  
; LENGTH: 2229  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-822-827-469

Query Match 88.3%; Score 724; DB 9; Length 2229;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156  
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717  
QY 157 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTGACATG 216  
DB 1716 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTGACATG 1657  
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 276  
DB 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 1597  
QY 277 CAGAGATCCTTGGAGAAATGCCGGCCGCATCTTGGGTCTCGATGAGCCTCGCCCTG 336  
DB 1596 CAGAGATCCTTGGAGAAATGCCGGCCGCATCTTGGGTCTCGATGAGCCTCGCCCTG 1537  
QY 337 TGCCTGCTCCCGTTGTGAGGAAGACATTTAGAAAATGAATGATGTTCTCTTAAAGG 396  
DB 1536 TGCCTGCTCCCGTTGTGAGGAAGACATTTAGAAAATGAATGATGTTCTCTTAAAGG 1477  
QY 397 ATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAA 456  
DB 1476 ATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAA 1417  
QY 457 TGAAGTCAAAAGTGAAGATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGTGGCT 516  
DB 1416 TGAAGTCAAAAGTGAAGATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGTGGCT 1357  
QY 517 TCACAAGACATGCAACAAACAAATGGAATGCAATGATGATGATGATGAGCAGCAGCAGCTGGG 576  
DB 1356 TCACAAGACATGCAACAAACAAATGGAATGCAATGATGATGATGATGAGCAGCAGCAGCTGGG 1297  
QY 577 GAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGGTT 636  
DB 1296 GAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGGTT 1237  
QY 637 CATTAACAAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTGTAATATCTGATCT 696  
DB 1236 CATTAACAAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTGTAATATCTGATCT 1177  
QY 697 CTACGGTTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATTT 756  
DB 1176 CTACGGTTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATTT 1117  
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTTACTCAATTTTGT 816  
DB 1116 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTTACTCAATTTTGT 1057  
QY 817 CAAA 820  
DB 1056 CAAA 1053

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RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATG 1657

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 276
DB 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTGATCGATGAGCCCTGCGCCCTG 336
DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTGATCGATGAGCCCTGCGCCCTG 1537

QY 337 TGCCTGCTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGCTTCTCTTAAAGG 396
DB 1536 TGCCTGCTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGCTTCTCTTAAAGG 1477

QY 397 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 456
DB 1476 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 1417

QY 457 TGAAGTCACAAGTGAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATGGCT 516
DB 1416 TGAAGTCACAAGTGAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATGGCT 1357

RESULT 15
US-09-895-814-469/c
; Sequence 469, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATG 1657

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 276
DB 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTGATCGATGAGCCCTGCGCCCTG 336
DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTGATCGATGAGCCCTGCGCCCTG 1537

QY 337 TGCCTGCTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGCTTCTCTTAAAGG 396
DB 1536 TGCCTGCTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGCTTCTCTTAAAGG 1477

QY 397 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 456
DB 1476 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 1417

QY 457 TGAAGTCACAAGTGAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATGGCT 516
DB 1416 TGAAGTCACAAGTGAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATGGCT 1357

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Qy	157	GAGATAATTAACTACTAGAGAAACAGCAAGATGACAAATATAATGTCTTAAGTAGTGACATG	216
Db	1716	GAGATAATTAACTACTAGAGAAACAGCAAGATGACAAATATAATGTCTTAAGTAGTGACATG	1657
Qy	217	TTTTTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGAGGAAGCA	276
Db	1656	TTTTTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGAGGAAGCA	1597
Qy	277	CAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTATCGATGAGCCCTCGCCCTG	336
Db	1596	CAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTATCGATGAGCCCTCGCCCTG	1537
Qy	337	TGCTGGTCCCGCTTGTGAGGAAGACATATAGAAAATGAATTTGATGTGTCTCTTAAAGG	396
Db	1536	TGCTGGTCCCGCTTGTGAGGAAGACATATAGAAAATGAATTTGATGTGTCTCTTAAAGG	1477
Qy	397	ATGGGCAGGAAACACATCTGTGTGGATATTTATTTGAAACGGGATTTACAGATTTGAAA	456
Db	1476	ATGGGCAGGAAACACATCTGTGTGGATATTTATTTGAAACGGGATTTACAGATTTGAAA	1417
Qy	457	TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGCAGAGAAAATCTTGATGGCT	516
Db	1416	TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGCAGAGAAAATCTTGATGGCT	1357
Qy	517	TCACAAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGCGAGCCAGCTGGG	576
Db	1356	TCACAAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGCGAGCCAGCTGGG	1297
Qy	577	GAGGATTAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGCGTT	636
Db	1296	GAGGATTAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGCGTT	1237
Qy	637	CATAACCAATCATTTTATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT	696
Db	1236	CATAACCAATCATTTTATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT	1177
Qy	697	CTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATTT	756
Db	1176	CTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATTT	1117
Qy	757	TAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCTTTGTT	816
Db	1116	TAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCTTTGTT	1057
Qy	817	CAAA 820	
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Minimum DB seq length: 0

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#### SUMMARIES

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4	1367	73.0	3923	4	US-09-759-143-690
5	1367	73.0	3923	4	US-09-651-236-690
6	1155	61.7	2426	3	US-09-439-313-470
7	1155	61.7	2426	3	US-09-352-616A-470
8	1155	61.7	2426	3	US-09-636-215-470
9	1155	61.7	2426	4	US-09-685-166A-470
10	1155	61.7	2426	4	US-09-679-426-470
11	1155	61.7	2426	4	US-09-759-143-470
12	1155	61.7	2426	4	US-09-651-236-470
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16	1155	61.7	3112	4	US-09-685-166A-468
17	1155	61.7	3112	4	US-09-679-426-468
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C	32	812	43.4	812	4	US-09-759-143-471	Sequence 471, App
C	33	812	43.4	812	4	US-09-651-236-471	Sequence 471, App
C	34	260	13.9	437	4	US-09-513-999C-10843	Sequence 10843, A
C	35	257	13.7	718	3	US-09-439-313-313	Sequence 313, App
C	36	257	13.7	718	3	US-09-352-616A-313	Sequence 313, App
C	37	257	13.7	718	3	US-09-232-149A-313	Sequence 313, App
C	38	257	13.7	718	4	US-09-636-215-313	Sequence 313, App
C	39	257	13.7	718	4	US-09-685-166A-313	Sequence 313, App
C	40	257	13.7	718	4	US-09-688-489-313	Sequence 313, App
C	41	257	13.7	718	4	US-09-679-426-313	Sequence 313, App
C	42	257	13.7	718	4	US-09-759-143-313	Sequence 313, App
C	43	257	13.7	718	4	US-09-651-236-313	Sequence 313, App
C	44	241	12.9	481	4	US-09-621-976-15110	Sequence 15110, A
C	45	179	9.6	301	3	US-09-439-313-287	Sequence 287, App

#### ALIGNMENTS

RESULT 1  
US-09-636-215-690  
; Sequence 690, Application US/09636215  
; Patent No. 6620922  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.42717C17  
; CURRENT APPLICATION NUMBER: US/09/636,215  
; CURRENT FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 852  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-636-215-690

Query Match	73.0%;	Score 1367;	DB 4;	Length 3923;
Best Local Similarity	99.5%;	Pred. No. 0;		
Matches 1767;	Conservative 0;	Mismatches 8;	Indels 0;	Gaps 0;
QY	98	GGTGAGAAATAAGAAGGCTGTGACTTTTACCACATCTGAGGCCACACATCTGCTGAATGG	157	
Db	285	GGTGAGAAATAAGAAGGCTGTGACTTTTACCACATCTGAGGCCACACATCTGCTGAATGG	344	
QY	158	AGATAATTAACTACCTAGAAACAGCAAGATGACATATATGCTCTTAAGTAGTGACATGT	217	
Db	345	AGATAATTAACTACCTAGAAACAGCAAGATGACATATATGCTCTTAAGTAGTGACATGT	404	
QY	218	TTTTCACATTTCCAGCCCTTTTAATATCCACACACACAGGAGCAGCAAAAGGAGCAC	277	
Db	405	TTTTCACATTTCCAGCCCTTTTAATATCCACACACACAGGAGCAGCAAAAGGAGCAC	464	

QY 278 AGAGATCCCTGGAGAAATGCCGGCGCCATCTTGGGTATCGATGAGCGCTGCCCTGT 337  
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 QY 465 AGAGATCCCTGGAGAAATGCCGGCGCCATCTTGGGTATCGATGAGCGCTGCCCTGT 524  
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 QY 338 GCCTGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGTGTTCTTAAAGGA 397  
 DB |||||  
 QY 525 GCCTGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGTGTTCTTAAAGGA 584  
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 QY 398 TGGGCAAGGAAAACAGATCCCTGTGTGGAATATTTATTTGAACGGGATTAAGATTTGAAAT 457  
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 QY 585 TGGGCAAGGAAAACAGATCCCTGTGTGGAATATTTATTTGAACGGGATTAAGATTTGAAAT 644  
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 QY 458 GAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGAATGGCTT 517  
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 QY 645 GAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGAATGGCTT 704  
 DB |||||  
 QY 518 CACAAGACATGCAACAAACAAATGGAATACTGTGATGATGAGGAGCAGCAAGCTGGGG 577  
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 QY 705 CACAAGACATGCAACAAACAAATGGAATACTGTGATGATGAGGAGCAGCAAGCTGGGG 764  
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 QY 578 AGAGATTAACCGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGCTTC 637  
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 DB |||||  
 QY 638 ATAAACCAATCATTTTCATATTTCTAACTTCAACCTCAAAACAAAGCTGTTGTAATCTGATCTC 697  
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 QY 698 TAGCGTTCTTCTGGGCCCCAACATTTCTCCATATATCCAGCCACATCATTTTAAATATT 757  
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 QY 885 TAGCGTTCTTCTGGGCCCCAACATTTCTCCATATATCCAGCCACATCATTTTAAATATT 944  
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 QY 758 AGTTCCAGATCTGTGACCTTTTACACTGTAGAAATTAACATTAATCTGTTGTTTC 817  
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 DB |||||  
 QY 878 GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGTTTATCTTA 937  
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 QY 1065 GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGTTTATCTTA 1124  
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 QY 938 CTAGCACACAGATGATCATTAACGAGTGAATTAATCTAATCAACATCACTCAGTGTCT 997  
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 QY 1125 CTAGCACACAGATGATCATTAACGAGTGAATTAATCTAATCAACATCACTCAGTGTCT 1184  
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 QY 1185 TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244  
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 QY 1305 CAGCTATGGAAATTAATTAATATTTTGTGTTTCCAGTGAAGATGACTAAGTCTTTTA 1364  
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 QY 1178 TCCTCCCTTGTGTTGATTTTTCACGATAAAAGTTAAAGTTAAAGTCTTAGCCCTGTACTG 1237  
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 QY 1365 TCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTCTTAGCCCTGTACTG 1424  
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 QY 1238 AGCTGTATACAGACAGCTCTCCCATCCCTCCAGCTTATCTGTCAATCAACATCAAC 1297  
 DB |||||  
 QY 1425 AGCTGTATACAGACAGCTCTCCCATCCCTCCAGCTTATCTGTCAATCAACATCAAC 1484  
 DB |||||  
 QY 1298 CCCTCCCATNYSACCTTAACAAATCTAATCTGATTTCTTGAACATGTCAGNCATAC 1357  
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 QY 1485 CCCTCCCATNYSACCTTAACAAATCTAATCTGATTTCTTGAACATGTCAGNCATAC 1544  
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QY 1358 ATTRTCTTCTGCGCTGAGAGCTCTTCTGTCTCTTAANTCTAGAATGATGATAAGTT 1417  
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 QY 1545 ATTAATCTTCTGCGCTGAGAGCTCTTCTGTCTCTTAAATCTAGAATGATGATAAGTT 1604  
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 QY 1418 TTGAATAAGTTGACTATCTTACTTCAATGCAAGAGAGGACATATATGATGATCATCA 1477  
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 QY 1605 TTGAATAAGTTGACTATCTTACTTCAATGCAAGAGAGGACATATATGATGATCATCA 1664  
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 QY 1478 CATGAGACAGCAAAATCTAAAGTGTAAATTTTCATTTATAGAGTTTATAGATAAATATATGAA 1537  
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 QY 1665 CATGAGACAGCAAAATCTAAAGTGTAAATTTTCATTTATAGAGTTTATAGATAAATATATGAA 1724  
 DB |||||  
 QY 1538 ATGCAAGACACAGAGGAGATGTTTATGGGCACTGTTTGAAGCCTGGGATGTGAAGMA 1597  
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 QY 1725 ATGCAAGACACAGAGGAGATGTTTATGGGCACTGTTTGAAGCCTGGGATGTGAAGMA 1784  
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 QY 1598 AAGGACAGGAACTCATAGTATCTTATATAATATATCTTCTTCTATCTATCAAA 1657  
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 QY 1785 AAGGACAGGAACTCATAGTATCTTATATAATATATCTTCTTCTATCTATCAAA 1844  
 DB |||||  
 QY 1658 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAATCCCAAGGTAACTTTATCC 1717  
 DB |||||  
 QY 1845 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAATCCCAAGGTAACTTTATCC 1904  
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 QY 1718 ATTTATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTATCTCAACT 1777  
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 QY 1905 ATTTATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTATCTCAACT 1964  
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 QY 1778 TGAGATGCTTGTCTTCTGTTAGTTAATGAAAGAAATAGGCACTCTTGTGAGGCACTTT 1837  
 DB |||||  
 QY 1965 TGAGATGCTTGTCTTCTGTTAGTTAATGAAAGAAATAGGCACTCTTGTGAGGCACTTT 2024  
 DB |||||  
 QY 1838 AGGTTCACTCTCGCAATAAAGAAATTTTACAAGA 1872  
 DB |||||  
 QY 2025 AGGTTCACTCTCGCAATAAAGAAATTTTACAAGA 2059  
 DB |||||

RESULT 2

US-09-685-166A-690  
 ; Sequence 690, Application US/09685166A  
 ; Patent No. 6630305  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqui  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darriek  
 ; APPLICANT: Li, Samuel  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.427C21  
 ; CURRENT APPLICATION NUMBER: US/09/685,166A  
 ; CURRENT FILING DATE: 2000-10-10  
 ; NUMBER OF SEQ ID NOS: 898  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-685-166A-690

Query Match 73.0%; Score 1367; DB 4; Length 3923;

Best Local Similarity 99.5%; Pred. No. 0; Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;			
QY	98	GGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGAGGCCACACATCTGCTGAATGG	157
Db	285	GGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGAGGCCACACATCTGCTGAATGG	344
QY	158	AGATAATTAAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAGTAGTGACATGT	217
Db	345	AGATAATTAAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAGTAGTGACATGT	404
QY	218	TTTTTGACATTTCCAGCCCTTTTAAATATCCACACACACAGGAGGACAAAAGGAGCAC	277
Db	405	TTTTTGACATTTCCAGCCCTTTTAAATATCCACACACACAGGAGGACAAAAGGAGCAC	464
QY	278	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT	337
Db	465	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT	524
QY	338	GCCTGTCCCGCTTGTGAGGAAAGGACATTTAGAAAATGAATGATGTGTTCTTTAAAGGA	397
Db	525	GCCTGTCCCGCTTGTGAGGAAAGGACATTTAGAAAATGAATGATGTGTTCTTTAAAGGA	584
QY	398	TGGGACGAGAAAACAGATCCCTGTGTGTGATATTTTATTTTGAACGGGATTTACAGATTTGAAT	457
Db	585	TGGGACGAGAAAACAGATCCCTGTGTGTGATATTTTATTTTGAACGGGATTTACAGATTTGAAT	644
QY	458	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGTATGCTT	517
Db	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGTATGCTT	704
QY	518	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGG	577
Db	705	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGG	764
QY	578	AGGAGATAAACAAGGGGAGAGGGTCAAGATCTTGGCCCTGTGCTGCTTAAACTGTGCGTTC	637
Db	765	AGGAGATAAACAAGGGGAGAGGGTCAAGATCTTGGCCCTGTGCTGCTTAAACTGTGCGTTC	824
QY	638	ATAACCAAAATCATTTTCATATTTCTTAAACCTCAAAACAAAGCTGTGTAAATCTGATCTC	697
Db	825	ATAACCAAAATCATTTTCATATTTCTTAAACCTCAAAACAAAGCTGTGTAAATCTGATCTC	884
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QY	758	AGTTCCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTTACTCATTTTGTTC	817
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QY	818	AAAGACCTTCTGTGCTGCTGCTTAATATGTAGTGTGACTGTTTTTCTTAAAGGAGTGTCTG	877
Db	1005	AAAGACCTTCTGTGCTGCTGCTTAATATGTAGTGTGACTGTTTTTCTTAAAGGAGTGTCTG	1064
QY	878	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	937
Db	1065	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1124
QY	938	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTTAATCAACATCATCTCTCAGTGTCT	997
Db	1125	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTTAATCAACATCATCTCTCAGTGTCT	1184
QY	998	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1057
Db	1185	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1244
QY	1058	TTCCATTAATATCACAGGATTTAACTTTTTTTTTTAACTCTGGAAGATTTCAATGTTTACATG	1117
Db	1245	TTCCATTAATATCACAGGATTTAACTTTTTTTTTTAACTCTGGAAGATTTCAATGTTTACATG	1304
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RESULT 3

US-09-679-426-690

; Sequence 690, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

Db	1305	CAGCTATGGAAATTTAATTACATATTTTGTTCAGTGCAGGATGACTAAGTCTCTTA	1364
QY	1178	TCCTCCCTTCTGTTGATTTTTCAGTATAAAAGTTAAAAATGCTTTAGCCTTGTACTG	1237
Db	1365	TCCTCCCTTCTGTTGATTTTTCAGTATAAAAGTTAAAAATGCTTTAGCCTTGTACTG	1424
QY	1238	AGCTGTATACAGCACAGGCTCTCCCATCCCTCCAGCCTTATCTGTTCATCATCAAC	1297
Db	1425	AGCTGTATACAGCACAGGCTCTCCCATCCCTCCAGCCTTATCTGTTCATCATCAAC	1484
QY	1298	CCCTCCCATNYSACCTAAACAAATCTAACTTCTTAATTCCTTGAACATGTCAGNCATC	1357
Db	1485	CCCTCCCATNYSACCTAAACAAATCTAACTTCTTAATTCCTTGAACATGTCAGNCATC	1544
QY	1358	ATTTTCTCTTCTGCTGAGAGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	1417
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Db	1605	TTGAATAAGTTGACTATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	1664
QY	1478	CATGACACAGCAATACTAAAGTGTAAATTTGATTATTAAGGTTTGAATAAATATATGAA	1537
Db	1665	CATGACACAGCAATACTAAAGTGTAAATTTGATTATTAAGGTTTGAATAAATATATGAA	1724
QY	1538	ATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTTGAAGCCTGGGATGTGAAGMA	1597
Db	1725	ATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTTGAAGCCTGGGATGTGAAGMA	1784
QY	1598	AGGCAAGGAACTCTATGATATCTTATATAATATATCTTCAATTTCTCTATCTATCAAA	1657
Db	1785	AAGGCAAGGAACTCTATGATATCTTATATAATATATCTTCAATTTCTCTATCTATCAAA	1844
QY	1658	TATCCAAACAGCTTTTTCACAGATTCATGAGTGCAGGTAATCCCAAGGTTAACTTTATCC	1717
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Db	1905	ATTTCATGCTGAGTGGCTTTTGAAGATTTTGGGCAAAATCATACTGCTCACTTCTCAACTT	1964
QY	1778	TGAGATGCTTGTCTCTGCTGATGTTAATTTGAAGAAATAGGGCACTCTTGTGAGGCACTTT	1837
Db	1965	TGAGATGCTTGTCTCTGCTGATGTTAATTTGAAGAAATAGGGCACTCTTGTGAGGCACTTT	2024
QY	1838	AGGTTTCACTCTCGCAATAAAGATTTTACAAGA	1872
Db	2025	AGGTTTCACTCTCGCAATAAAGATTTTACAAGA	2059

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-679-426-690

Query Match      73.0%; Score 1367; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
DB 285 GGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATATGCTTAAAGTAGTACATGT 217
DB 345 AGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATATGCTTAAAGTAGTACATGT 404
QY 218 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAAGGAGCAC 277
DB 405 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAAGGAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 337
DB 465 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 524
QY 338 GCGTGTCCCGCTTGTGAGGGAAGGACATTAAGAAAATGAATGATGTCTTCTTAAAGGA 397
DB 525 GCGTGTCCCGCTTGTGAGGGAAGGACATTAAGAAAATGAATGATGTCTTCTTAAAGGA 584
QY 398 TGGGACAGGAACACAGATCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAAT 457
DB 585 TGGGACAGGAACACAGATCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAAT 644
QY 458 GAAATCACAAGTAGACATTTACCAATGAGAGGAAACACAGACGAGAAATCTTGTATGGCTT 517
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QY 578 AGGAGATACCCAGGGGACAGGGTCAGGATCTGCGCCCTGCTGCTTAACCTGTGGTTC 637
DB 765 AGGAGATACCCAGGGGACAGGGTCAGGATCTGCGCCCTGCTGCTTAACCTGTGGTTC 824
QY 638 ATAAACCAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTGAATATCTGATCTC 697
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QY 878 GCCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 937
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DB 1365 TCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATGCTTAAAGCTTTAGCTTGTACTG 1424
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DB 1425 AGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1484
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DB 1545 ATTTTCTCTTCTGCTGAGAGAGCTCTTCTGCTGCTTCTTAACTTCTAAGATGATGATAAGTT 1604
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DB 1605 TTGAATAAGTTGACATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1664
QY 1478 CATGACAGACGCAAAATACATAAAGTGTAAATTTGATTTATAGAGTTTATAGATAATATGAA 1537
DB 1665 CATGACAGACGCAAAATACATAAAGTGTAAATTTGATTTATAGAGTTTATAGATAATATGAA 1724
QY 1538 ATGCAAGAKCCAACAGAGGAATGTTTATGGGCAAGTTTGTAAAGCTTGGGATGTGAAGNA 1597
DB 1725 ATGCAAGAGCCACAGAGGAATGTTTATGGGCAAGTTTGTAAAGCTTGGGATGTGAAGNA 1784
QY 1598 AAGGACGGAACCTCATAGTATCTTATATAATATCTTCTTCTTCTTCTTCTTCTTCTTCT 1657
DB 1785 AAGGACGGAACCTCATAGTATCTTATATAATATCTTCTTCTTCTTCTTCTTCTTCTTCT 1844
QY 1658 TATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTGCAGAAATCCCCAAAGGTAAACCTTTATCC 1717
DB 1845 TATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTGCAGAAATCCCCAAAGGTAAACCTTTATCC 1904
QY 1718 ATTTCAATGAGTGGCTTTTGAATTTTGGCAAAATCATCTGCTGCTTCTTCTTCTTCTTCTTCT 1777
DB 1905 ATTTCAATGAGTGGCTTTTGAATTTTGGCAAAATCATCTGCTGCTTCTTCTTCTTCTTCTTCT 1964
QY 1778 TGAGATGTTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1837
DB 1965 TGAGATGTTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2024
QY 1838 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 1872
DB 2025 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 2059

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RESULT 4  
 US-09-759-143-690  
 ; Sequence 690, Application US/09759143  
 ; Patent No. 6800746  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.

```

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-759-143-690

Query Match      73.0% Score 1367; DB 4; Length 3923;
Best Local Similarity 99.5% Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATPAGAAAGGCTGTGACTTTACATCTGAGGCCACACATCTGTGAAATGG 157
DB 285 GGTGAGAAATPAGAAAGGCTGTGACTTTACATCTGAGGCCACACATCTGTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAAACAGCAGATGACATATATGTCTAAAGTAGCATGT 217
DB 345 AGATAATTAACATCACTAGAAAACAGCAGATGACATATATGTCTAAAGTAGCATGT 404
QY 218 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAGGACACAAAGGAGCAC 277
DB 405 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAGGACACAAAGGAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT 337
DB 465 AGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT 524
QY 338 GCCTGTGCTGCTGTGAGGAAAGGACATTAAGAAATGAATGATGTGTTCTTAAAGGA 397
DB 525 GCCTGTGCTGCTGTGAGGAAAGGACATTAAGAAATGAATGATGTGTTCTTAAAGGA 594
QY 398 TGGGCGAGGAAACAGATCCCTGTTGTGATATTTTGAACGGATTAACAGATTTGAAT 457
DB 585 TGGGCGAGGAAACAGATCCCTGTTGTGATATTTTGAACGGATTTACAGATTTGAAT 644
QY 458 GAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTCATGCTT 517
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QY 518 CACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCAGGCTGGGG 577
DB 705 CACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCAGGCTGGGG 764
QY 578 AGAGATTAACCGGGGACAGGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTC 637
DB 765 AGAGATTAACCGGGGACAGGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTC 824
QY 638 ATAAACCAATCATTTCAATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCTGATCTC 697
DB 825 ATAAACCAATCATTTCAATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCTGATCTC 884
QY 698 TACGGTTCCTTGTGGGCCCAACATTTCCATATATCCAGCCACACTCATTTTAAATATTT 757

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DB 885 TACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACTCATTTTAAATATTT 944
QY 758 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTTACTTCTTCTTC 817
DB 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTTACTTCTTCTTC 1004
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DB 1005 AAGAGCCCTTGTGTTGCTGCTTAATATGATGAGTGTGCTGTTTCTTAAAGAGTGTCTG 1064
QY 878 GCCCAGGGGATCTGTGAAAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATATCTTA 937
DB 1065 GCCCAGGGGATCTGTGAAAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATATCTTA 1124
QY 938 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATTAATCAACATCATCTCAGTGTCT 997
DB 1125 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATTAATCAACATCATCTCAGTGTCT 1184
QY 998 TTGCCCATATCTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA 1057
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QY 1058 TTCCATTATATCAAGGATTAACATTTTAACTTAACTTGAAGAAATTTCAATGTATCATG 1117
DB 1245 TTCCATTATATCAAGGATTAACATTTTAACTTAACTTGAAGAAATTTCAATGTATCATG 1304
QY 1118 CAGCTATGGGAATTTAAATTAACATATTTTGTTCAGTGCAAAAGATGACTTAAGTCCCTTTA 1177
DB 1305 CAGCTATGGGAATTTAAATTAACATATTTTGTTCAGTGCAAAAGATGACTTAAGTCCCTTTA 1364
QY 1178 TCCTCCCTTGTGTTGATTTTTCAGTATPAAAGTTTAAATGCTTAGCCTTGTACTG 1237
DB 1365 TCCTCCCTTGTGTTGATTTTTCAGTATPAAAGTTTAAATGCTTAGCCTTGTACTG 1424
QY 1238 AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCATCATCAAC 1297
DB 1425 AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCATCATCAAC 1484
QY 1298 CCTCCCATNYACCTTAAACAAATCTAACTGTGAATTTCTTGAACATGTGAGGACATAC 1357
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DB 1545 ATTTTCTTCTTGTGCTGAGAGCTTCTTCTTCTTAACTTGAATGATGATTAAGTT 1604
QY 1418 TTGAATAAGTTGATCTTCTTCTTCTTGAAGAGGACACATATGAGATTCATCATCA 1477
DB 1605 TTGAATAAGTTGATCTTCTTCTTCTTGAAGAGGACACATATGAGATTCATCATCA 1664
QY 1478 CATGACACAGCAATACTAAAGTGAATTTGATTTAAGAGTTTAAAGATAAATATATGAA 1537
DB 1665 CATGACACAGCAATACTAAAGTGAATTTGATTTAAGAGTTTAAAGATAAATATATGAA 1724
QY 1538 ATGCAAGACCCACAGAGGGAATTTTATGGGGCAGCTTTTGAAGCCTGGGATGTGAAGMA 1597
DB 1725 ATGCAAGACCCACAGAGGGAATTTTATGGGGCAGCTTTTGAAGCCTGGGATGTGAAGMA 1784
QY 1598 AAGGAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTATCACAA 1657
DB 1785 AAGGAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTATCACAA 1844
QY 1658 TATCCAAACAGCTTTTTCAGAGATTTTCAGAGTTCATGAGTGAAGTTCCTTATATCC 1717
DB 1845 TATCCAAACAGCTTTTTCAGAGATTTTCAGAGTTCATGAGTGAAGTTCCTTATATCC 1804
QY 1718 ATTTTCAATGTGAGTGGCTTTTGAAGATTTTGGCAAAATCATACTGCTCACTTATCTCAACTT 1777
DB 1905 ATTTTCAATGTGAGTGGCTTTTGAAGATTTTGGCAAAATCATACTGCTCACTTATCTCAACTT 1964
QY 1778 TGAGATGTGTTGCTTCTGTAGTTAATGAAGAAATAGGGCACTCTTGTGAGCCACTTT 1837
DB 1965 TGAGATGTGTTGCTTCTGTAGTTAATGAAGAAATAGGGCACTCTTGTGAGCCACTTT 2024

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; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match      61.7%; Score 1155; DB 3; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711

QY 157 GAGATAATTAACATCACTAGAACACAGATGACAAATATATGCTTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACAGATGACAAATATATGCTTAAGTAGTGACATG 1651

QY 817 CAAAGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 876
Db 1050 CAAAGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 991

QY 877 GGGCCAGGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTCCAGGGTTATACCT 936
Db 990 GGGCCAGGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTCCAGGGTTATACCT 931

QY 937 ACTAGACACAGCATGATCAATACCGAGTGAATATCTAATCAACATCATCTCAGTGTC 996
Db 1170 ACTAGACACAGCATGATCAATACCGAGTGAATATCTAATCAACATCATCTCAGTGTC 1171

; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-470/c

Query Match      61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711

QY 157 GAGATAATTAACATCACTAGAACACAGATGACAAATATATGCTTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACAGATGACAAATATATGCTTAAGTAGTGACATG 1651

QY 217 TTTTTCGACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAAGCAAGCA 276
Db 1650 TTTTTCGACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAAGCAAGCA 1591

QY 277 CAGAGATCCCTGGGAGAAATGCGCGCGGCATCTTGGGTCTGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGGAGAAATGCGCGCGGCATCTTGGGTCTGATGAGCCTCGCCCTG 1531

QY 337 TGCCTGCTCCGCTTCTGAGGAGACATATAGAAATGAATGATGCTTCTTAAAGG 396
Db 1530 TGCCTGCTCCGCTTCTGAGGAGACATATAGAAATGAATGATGCTTCTTAAAGG 1471

QY 397 ATGGGAGGAAACACAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 456
Db 1470 ATGGGAGGAAACACAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1411

QY 457 TGAAGTCACAAATGAGTACATCAATAGAGAGGAAACACAGAGAAATCTTTGATGGCT 516
Db 1410 TGAAGTCACAAATGAGTACATCAATAGAGAGGAAACACAGAGAAATCTTTGATGGCT 1351

QY 517 TCACAGACATGCAACAAACAAATGGAATGCTGATGATGATGATGATGATGATGATGATG 576
Db 1350 TCACAGACATGCAACAAACAAATGGAATGCTGATGATGATGATGATGATGATGATG 1291

QY 577 GAGGAGATACACACGGGGCAGAGGGTCAGGATCTGCGCCCTGCTGCTGCTGCTGCTGCT 636
Db 1290 GAGGAGATACACACGGGGCAGAGGGTCAGGATCTGCGCCCTGCTGCTGCTGCTGCTG 1231

QY 637 CATACCAAAATCATTTTCAATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATACCAAAATCATTTTCAATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT 1171

QY 697 CTACGGTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTTATATATTT 756
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QY 757 TAGTTCACAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 816
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QY 817 CAAAGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 876
Db 1050 CAAAGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 991

QY 877 GGGCCAGGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTCCAGGGTTATACCT 936
Db 990 GGGCCAGGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTCCAGGGTTATACCT 931

QY 937 ACTAGACACAGCATGATCAATACCGAGTGAATATCTAATCAACATCATCTCAGTGTC 996
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QY 277 CAGAGATCCCTGGAGAAATGCCGCGCCGATCTTGGGTCATCGATGAGCCTCGCCCTG 336
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QY 877 GGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTT 936
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Db 691 GCAGCTATGGAAATTAATTTACATATTTCTGTTTTCAGTGCAAGATGACTAAGTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAGCCCTGTACT 1236
Db 631 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAGCCCTGTACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616

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RESULT 9

US-09-685-166A-470/c

; Sequence 470, Application US/09685166A

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; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jianchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-685-166A-470

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Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTTCCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAAATTAAGAAAGGCTGCTGACTTTTCCATCTGAGGCCACACATCTGCTGAAATG 1711
QY 157 GAGATAATTAACATCACTAGAACACGACAGATGACAAATATATGTTCTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACGACAGATGACAAATATATGTTCTAAGTAGTGACATG 1651
QY 217 TTTTGTGCAATTTCCAGGCCCTTTAAATATCCACACACACAGGAGCAACAAAGGAAGCA 276
Db 1650 TTTTGTGCAATTTCCAGGCCCTTTAAATATCCACACACACAGGAGCAACAAAGGAAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCGCGCCGATCTTTGGGTCTATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGGAGAAATGCCGCGCCGATCTTTGGGTCTATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCCTGTCCTCCCTTGTGAGGGAAGACATTTAGAAATGAATGATGTTCTCTTAAGG 396
Db 1530 TGCCCTGTCCTCCCTTGTGAGGGAAGACATTTAGAAATGAATGATGTTCTCTTAAGG 1471
QY 397 ATGGGAGGAGAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAA 456
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QY 457 TGAAGTCACAAAGTGAGCATTAACAATGAGAGGAAACAGACGAGAAATCTTTGATGGCT 516
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QY 517 TCACAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGCGGACCAAGCTGGG 576
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Db 1230 CATAACCAATCATTTTCATATTTTCAACCTCAAAACAAAGCTGTGTGTAATATCTGATCT 1171
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Db 630 GAGGCTGTATACAGC 616

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RESULT 10  
US-09-679-426-470/c  
; Sequence 470, Application US/09679426  
; Patent No. 6759515

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yuqi  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C20

CURRENT APPLICATION NUMBER: US/09/679,426

CURRENT FILING DATE: 2000-10-02

NUMBER OF SEQ ID NOS: 895

SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470  
; LENGTH: 2426  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-679-426-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 97 AGGTGAGAAATTAAGAAAGCTGCTGATTTACATCTGAGGCCACACATCTCTGTAATG 156
Db 1770 AGGTGAGAAATTAAGAAAGCTGCTGATTTACATCTGAGGCCACACATCTCTGTAATG 1711
QY 157 GAGATAATTTAAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATG 216
Db 1710 GAGATAATTTAAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATG 1651
QY 217 TTTTTCGACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCAACAAAGGAAGCA 276
Db 1650 TTTTTCGACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCAACAAAGGAAGCA 1591
QY 277 CAGAGATCCTCGGAGAAATGCGCGCCGCTCTTTGGGTCTATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCTCGGAGAAATGCGCGCCGCTCTTTGGGTCTATCGATGAGCCTCGCCCTG 1531
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Db 1530 TCGCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAATGAATTTGATGCTTCTCTTAAAGG 1471
QY 397 ATGGGCAGGAAACAGATCCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATTTGAAA 456
Db 1470 ATGGGCAGGAAACAGATCCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATTTGAAA 1411
QY 457 TGAAGTCAAAAGTGAAGCATTAACATGAGAGGAAAAAGACAGAGAAAAATCTTGATGGCT 516
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QY 517 TCACAAGACATCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAAGCTGGG 576
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QY 577 GAGGAGATAACCAACCGGGCAGAGGGTCAAGGATTTCTGGCCCTCTGCTAAATCTGTCGTT 636
Db 1290 GAGGAGATAACCAACCGGGCAGAGGGTCAAGGATTTCTGGCCCTCTGCTAAATCTGTCGTT 1231
QY 637 CATACCAAAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGTAATCTGATCT 696
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QY 757 TAGTTCCTCCAGATCTGTGACCTTTCTACATGTTAGAAATTAACATTAATCTCAATTTGTT 816
Db 1110 TAGTTCCTCCAGATCTGTGACCTTTCTACATGTTAGAAATTAACATTAATCTCAATTTGTT 1051
QY 817 CAAAGACCTTCCTGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCT 876
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; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-651-236-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 156
DB 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 1711

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATG 216
DB 1710 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATG 1651

QY 217 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACACAGGAGCAAAAGGAAGCA 276
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QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCGCTATCTGGGTTCATCGATGAGCCCTGCCCTG 336
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QY 337 TGCTGGTCCCGCTTGTGAGGGAAGACATTTAGAAAATGAATTTGATGTGTTCTTTAAAGG 396
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QY 397 ATGGGAGGAAACACATCTGTTGGGATATTTTGAACGGGATACAGATTTGAAA 456
DB 1470 ATGGGAGGAAACACATCTGTTGGGATATTTTGAACGGGATACAGATTTGAAA 1411

QY 457 TGAAGTCACAAAGTGAGCATTTCAATATGAGAGAAACAGCAGAGAAATCTTGATGGCT 516
DB 1410 TGAAGTCACAAAGTGAGCATTTCAATATGAGAGAAACAGCAGAGAAATCTTGATGGCT 1351

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DB 1350 TCACAGACATGCAACAAACAAATGGAATGTAATGATGATGATGATGATGATGATGATG 1291

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QY 697 CTACGGTTCCTTCTGGGCGCCCAACATTTCTCCATATATCCAGCCACATCTCAATTTTAAAT 756
DB 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 156
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QY 817 CAAAGACCCCTTCTGCTGTGCTGCTAATATGTAGCTGACTGTTTCTTAAAGAGTGTCT 876
DB 1050 CAAAGACCCCTTCTGCTGTGCTGCTAATATGTAGCTGACTGTTTCTTAAAGAGTGTCT 991
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QY 1177 ATCCCTCCCTTGTGTTGATTTTTTCCAGTATAAAGTAAAAATGCTTAGCCTTGACT 1236
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QY 1237 GAGGCTGTATACAGC 1251
DB 630 GAGGCTGTATACAGC 616

RESULT 13
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-439-313-468

Query Match 61.7%; Score 1155; DB 3; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 156
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Db 1432 TTTTGGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 1491
QY 277 CAGAGATCCCTGGAGAAATGCCGGCGGCATCTTGGGTCAATCGATGAGCCTCGCCCTG 336
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QY 337 TGCTGTGTCCTGCTTGTGAGGGAAGGACATTTAGAAATGAATGATGTTGTTCTTAAAGG 396
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Db 1792 GAGGAGATTAACACCGGGCAGAGGGTCAAGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCT 1851
QY 637 CATACCAAAATCATTTTCAATATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1852 CATACCAAAATCATTTTCAATATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGATCT 1911
QY 697 CTACGGTCTCTTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATAT 756
Db 1912 CTACGGTCTCTTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATAT 1971
QY 757 TAGTTCACAGATCTGATCTGACCTTTTACACTGTAGAAATCAACATTTACTCATTTTGT 816
Db 1972 TAGTTCACAGATCTGATCTGACCTTTTACACTGTAGAAATCAACATTTACTCATTTTGT 2031
QY 817 CAAAGACCTTCTGTTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATGATGAT 876
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QY 937 ACTAGCACACAGCATGATCAATTAAGGAGTGAATTTCTAATCAACATCACTCCCTCAGTGTC 996
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QY 1117 GCAGCTATGGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTCTTT 1176
Db 2332 GCAGCTATGGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTCTTT 2391
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGTACT 1236
Db ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGTACT 1296
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Db 2392 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGTACT 2451
QY 1237 GAGGCTGTATACAGC 1251
Db 2452 GAGGCTGTATACAGC 2466

RESULT 14
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 61.7%; Score 1155; DB 3; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTTGAGGCCACACATCTGCTGAATG 156
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QY 157 GAGATTAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTTAAGTAGTGACATG 216
Db 1372 GAGTAATTAACATCACTAGAAACAGCAAGATGACATATAATGTTCTTAAGTAGTGACATG 1431
QY 217 TTTTGGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 276
Db 1432 TTTTGGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 1491
QY 277 CAGAGATCCCTGGAGAAATGCCGGCGGCATCTTGGGTCAATCGATGAGCCTCGCCCTG 336
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QY 397 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAAGATTTGAAA 456
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QY 637 CATACCAAAATCATTTTCAATATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1852 CATACCAAAATCATTTTCAATATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGATCT 1911
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QY 757 TAGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTCATTTTGT 816
Db 1972 TAGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTCATTTTGT 2031
QY 817 CAAGAACCCTTCGTGTGCTGCTTAATATGTAGTGAATCTTTTCTTAAGAGTGTCT 876
Db 2032 CAAGAACCCTTCGTGTGCTGCTTAATATGTAGTGAATCTTTTCTTAAGAGTGTCT 2091
QY 877 GGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATAC 936
Db 2092 GGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATAC 2151
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QY 997 TTTGCCCATCTGAATATCAATTTCCACATTTTGTGCGCATTTCTCAAGACCTCAAAATGTC 1056
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QY 1057 ATTCCATTAATATCACAGGATTAACATTTTAACTTTTAACTGGAAGATTTCAATGTTACAT 1116
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QY 1117 GCAGCTATGGGAATTTAAATTTACATATTTTGTGCTGCAAGATGCTAAGTCTTT 1176
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QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGATTAAGTTAAATGCTTAGCTTGTACT 1236
Db 2392 ATCCCTCCCTTTGTTGATTTTTCAGATTAAGTTAAATGCTTAGCTTGTACT 2451
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RESULT 15

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US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468
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Query Match 61.7%; Score 1155; DB 4; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 97 AGGTGAGAAATTAAGAAAGGCTGCTACCTTTACCATCTGAGGCCACACATCTCTGAAATG 156
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Db 1372 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATATGTCTAAGTAGTGACATG 1431
QY 217 TTTTGTGCAATTTCCAGGCCCTTTAAATATTCACACACACAGGAAGCAAAAAGGAAGCA 276
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QY 337 TGCCTGGTCCCGCTTTGTGAGGGAAGGACATTAAGAAAATGAATTTGATGTGTTCTTAAAGG 396
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Db 1732 TCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAAGCTGGG 1791
QY 577 GAGGAGATAACACCGGGCAGAGGGTCAAGGATCTGCGCCCTGCTGCTTAACCTGCGTT 636
Db 1792 GAGGAGATAACACCGGGCAGAGGGTCAAGGATCTGCGCCCTGCTGCTTAACCTGCGTT 1851
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Db 1972 TAGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTCATTTTGT 2031
QY 817 CAAGAACCCTTCGTGTGCTGCTTAATATGTAGTGAATCTTTTCTTAAGAGTGTCT 876
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Post-processing: Listing first 45 summaries

Database : Published Applications NA:\*

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- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
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- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
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- 18: /cgn2\_6/ptodata/1/pubpna/US10F\_PUBCOMB.seq:\*
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- 20: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*
- 21: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 22: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1367	73.0	3923	9 US-09-759-143-690	Sequence 690, App
2	1367	73.0	3923	9 US-09-780-669-690	Sequence 690, App
3	1367	73.0	3923	9 US-09-822-827-690	Sequence 690, App
4	1367	73.0	3923	9 US-09-895-793-690	Sequence 690, App
5	1367	73.0	3923	9 US-09-895-814-690	Sequence 690, App
6	1367	73.0	3923	13 US-10-012-896-690	Sequence 690, App
7	1367	73.0	3923	15 US-10-205-823-316	Sequence 316, App
8	1367	73.0	3923	16 US-10-144-678A-690	Sequence 690, App
9	1367	73.0	3923	16 US-10-294-025-690	Sequence 690, App
10	1155	61.7	2426	9 US-09-759-143-470	Sequence 470, App
11	1155	61.7	2426	9 US-09-780-669-470	Sequence 470, App

c 12	1155	61.7	2426	9 US-09-822-827-470	Sequence 470, App
c 13	1155	61.7	2426	9 US-09-895-793-470	Sequence 470, App
c 14	1155	61.7	2426	9 US-09-895-814-470	Sequence 470, App
c 15	1155	61.7	2426	13 US-10-012-896-470	Sequence 470, App
c 16	1155	61.7	2426	14 US-10-010-940-470	Sequence 470, App
c 17	1155	61.7	2426	15 US-10-205-823-448	Sequence 448, App
c 18	1155	61.7	2426	16 US-10-144-678A-470	Sequence 470, App
c 19	1155	61.7	2426	16 US-10-294-025-470	Sequence 470, App
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c 22	1155	61.7	3112	9 US-09-822-827-468	Sequence 468, App
c 23	1155	61.7	3112	9 US-09-895-793-468	Sequence 468, App
c 24	1155	61.7	3112	9 US-09-895-814-468	Sequence 468, App
c 25	1155	61.7	3112	13 US-10-012-896-468	Sequence 468, App
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c 29	1034	55.2	2229	9 US-09-759-143-469	Sequence 469, App
c 30	1034	55.2	2229	9 US-09-780-669-469	Sequence 469, App
c 31	1034	55.2	2229	9 US-09-822-827-469	Sequence 469, App
c 32	1034	55.2	2229	9 US-09-895-793-469	Sequence 469, App
c 33	1034	55.2	2229	9 US-09-895-814-469	Sequence 469, App
c 34	1034	55.2	2229	13 US-10-012-896-469	Sequence 469, App
c 35	1034	55.2	2229	14 US-10-010-940-469	Sequence 469, App
c 36	1034	55.2	2229	16 US-10-144-678A-469	Sequence 469, App
c 37	1034	55.2	2229	16 US-10-294-025-469	Sequence 469, App
c 38	835	44.6	876	10 US-09-957-708-3	Sequence 3, Appl
c 39	812	43.4	812	9 US-09-759-143-471	Sequence 471, App
c 40	812	43.4	812	9 US-09-780-669-471	Sequence 471, App
c 41	812	43.4	812	9 US-09-822-827-471	Sequence 471, App
c 42	812	43.4	812	9 US-09-895-793-471	Sequence 471, App
c 43	812	43.4	812	9 US-09-895-814-471	Sequence 471, App
c 44	812	43.4	812	13 US-10-012-896-471	Sequence 471, App
c 45	812	43.4	812	14 US-10-010-940-471	Sequence 471, App

## ALIGNMENTS

### RESULT 1

US-09-759-143-690  
; Sequence 690, Application US/09759143  
; Patent No. US20020022248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun C.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqui  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skelky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C23  
; CURRENT APPLICATION NUMBER: US/09/759,143  
; CURRENT FILING DATE: 2001-01-12  
; NUMBER OF SEQ ID NOS: 934  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-759-143-690



; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William  
 ; APPLICANT: Hural, John  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Houghton, Raymond L.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C24  
 ; CURRENT APPLICATION NUMBER: US/09/780,669  
 ; CURRENT FILING DATE: 2001-02-09  
 ; NUMBER OF SEQ ID NOS: 943  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 US-09-780-669-690

Query Match 73.0%; Score 1367; DB 9; Length 3923;  
 Best Local Similarity 99.5%; Pred. No. 0;  
 Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY	98	GGTGAGAAATAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	157
DB	285	GGTGAGAAATAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	344
QY	158	AGATAATTAACATCACTAGAAAACAGCAAGATGACATATATATCTCTAAGTAGTGACATGT	217
DB	345	AGATAATTAACATCACTAGAAAACAGCAAGATGACATATATATCTCTAAGTAGTGACATGT	404
QY	218	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCNAAGAGGACAC	277
DB	405	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCNAAGAGGACAC	464
QY	278	AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTGCATCGATGAGCTCGCCCTGT	337
DB	465	AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTGCATCGATGAGCTCGCCCTGT	524
QY	338	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTTGTTTCTTAAAGGA	397
DB	525	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTTGTTTCTTAAAGGA	584
QY	398	TGGGACAGAAACAGATCTCTGTTGTGGATATTTATTGAAAGGGATTCAGATTTGAAT	457
DB	585	TGGGACAGAAACAGATCTCTGTTGTGGATATTTATTGAAAGGGATTTACAGATTTGAAT	644
QY	458	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAAATCTTCATGCTT	517
DB	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAAATCTTCATGCTT	704
QY	518	CACAAGACATGCAACAAACAAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGGGG	577
DB	705	CACAAGACATGCAACAAACAAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGGGG	764
QY	578	AGAGATTAACACGGGACAGAGGTGAGATTTCTGGCCCTGCTGCTTAACCTGCTGGCTTC	637
DB	765	AGAGATTAACACGGGACAGAGGTGAGATTTCTGGCCCTGCTGCTTAACCTGCTGGCTTC	824
QY	638	ATAACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTCTGTAATATCTGATCTC	697
DB	825	ATAACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTCTGTAATATCTGATCTC	884
QY	698	TACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACATCAATTTTAAATATT	757
DB	885	TACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACATCAATTTTAAATATT	944
QY	758	AGTTCCAGATCTGTGACCTTTCTACATCTGTAGAAATACATTAATCTCATTTTGTTC	817
DB	945	AGTTCCAGATCTGTGACCTTTCTACATCTGTAGAAATACATTAATCTCATTTTGTTC	1004
QY	818	AAAGACCTTCTGTTGCTGCCTTAATATGATGATGATGATGATGATGATGATGATGATG	877
DB	1005	AAAGACCTTCTGTTGCTGCCTTAATATGATGATGATGATGATGATGATGATGATGATG	1064

RESULT 3  
 US-09-822-827-690  
 ; Sequence 690, Application US/09822827

QY	878	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	937
DB	1065	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1124
QY	938	CTAGCACACAGCATGATCATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	997
DB	1125	CTAGCACACAGCATGATCATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	1184
QY	998	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA	1057
DB	1185	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA	1244
QY	1058	TTCCATTAATATCACAGGATTAATTTTTTTTTTAACTCTGGAAGAAATTCATGTTACATG	1117
DB	1245	TTCCATTAATATCACAGGATTAATTTTTTTTTTAACTCTGGAAGAAATTCATGTTACATG	1304
QY	1118	CAGCTATGGGAATTAATTAATTAATTTTGTCTTCCAGTGCAAGATGACTAAGTCTCTTTA	1177
DB	1305	CAGCTATGGGAATTAATTAATTAATTTTGTCTTCCAGTGCAAGATGACTAAGTCTCTTTA	1364
QY	1178	TCCTCTCCCTTTTGTGATTTTTCAGTATAAAAGTTTAAATGCTTAGCCTTGTACTG	1237
DB	1365	TCCTCTCCCTTTTGTGATTTTTCAGTATAAAAGTTTAAATGCTTAGCCTTGTACTG	1424
QY	1238	AGCTGTATATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCAATCAAC	1297
DB	1425	AGCTGTATATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCAATCAAC	1484
QY	1298	CCCTCCCATNYSACCTTAAACAAATCTAATCTGTTGTAATCTTGAACATGTCAGNCATAC	1357
DB	1485	CCCTCCCATNYSACCTTAAACAAATCTAATCTGTTGTAATCTTGAACATGTCAGNCATAC	1544
QY	1358	ATTCTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAAATGATGTAAGTT	1417
DB	1545	ATTCTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAAATGATGTAAGTT	1604
QY	1418	TTGAATTAAGTTGATCTATCTTCTCATGCAAGAGGACACATATGAGATTCATCATCA	1477
DB	1605	TTGAATTAAGTTGATCTATCTTCTCATGCAAGAGGACACATATGAGATTCATCATCA	1664
QY	1478	CATGACAGCAAAATTAATAAAGTGAATTTGATTAAGAGTTTATAGATAAATATATGAA	1537
DB	1665	CATGACAGCAAAATTAATAAAGTGAATTTGATTAAGAGTTTATAGATAAATATATGAA	1724
QY	1538	ATGCAAGACCCACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTAAGMA	1597
DB	1725	ATGCAAGACCCACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTAAGMA	1784
QY	1598	AAGGCAAGGAACTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTCATCAAA	1657
DB	1785	AAGGCAAGGAACTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTCATCAAA	1844
QY	1658	TATCCAAAGCTTTTACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTTATCC	1717
DB	1845	TATCCAAAGCTTTTACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTTATCC	1904
QY	1718	ATTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTCTCAACTT	1777
DB	1905	ATTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTCTCAACTT	1964
QY	1778	TGAGATGCTGTTTCTCTGTTAGTTAATTTGAAAGAAATAGGGCACTCTTGTAGCCACTTT	1837
DB	1965	TGAGATGCTGTTTCTCTGTTAGTTAATTTGAAAGAAATAGGGCACTCTTGTAGCCACTTT	2024
QY	1838	AGGGTTCACTCTGGCAATAAAGAAATTTACAAGA	1872
DB	2025	AGGGTTCACTCTGGCAATAAAGAAATTTACAAGA	2059

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; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-822-827-690

Query Match      73.0%; Score 1367; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
DB 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAAACATCACTAGAAAACAGCAAGATGACATATAATGCTAAAGTAGTGACATGT 217
DB 345 AGATATTAAACATCACTAGAAAACAGCAAGATGACATATAATGCTAAAGTAGTGACATGT 404
QY 218 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGGAAGCAC 277
DB 405 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGGAAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCGCGGCCATCTTGCTGATCATGATGAGCTCGCCCTGT 337
DB 465 AGAGATCCCTGGGAGAAATGCCCGCGGCCATCTTGCTGATCATGATGAGCTCGCCCTGT 524
QY 338 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATTCATGTTTCTTTAAAGGA 397
DB 525 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATTCATGTTTCTTTAAAGGA 584
QY 398 TGGGCAAGGAAAAACAGATCTCTGTTGTGGATATTTATTGAAACGGGATTCACAGATTTGAAAT 457
DB 585 TGGGCAAGGAAAAACAGATCTCTGTTGTGGATATTTATTGAAACGGGATTCACAGATTTGAAAT 644
QY 458 GAGTCAAAAGTGAGCATTTACCAATGAGGGAAGGAAACAGACGAGAAATCTTGATGGCTT 517
DB 645 GAGTCAAAAGTGAGCATTTACCAATGAGGGAAGGAAACAGACGAGAAATCTTGATGGCTT 704
QY 518 CACAAGACATGCAACAAAACAAAATGGAATCTGTGATGACATGAGGCGAGCCAGCTGGGG 577
DB 705 CACAAGACATGCAACAAAACAAAATGGAATCTGTGATGACATGAGGCGAGCCAGCTGGGG 764
QY 578 AGGAGATAACCAAGGGGCAAGGGTCAGGATTCGTGCGCCCTGTGCTTAACTGTGGTTC 637
DB 765 AGGAGATAACCAAGGGGCAAGGGTCAGGATTCGTGCGCCCTGTGCTTAACTGTGGTTC 824
QY 638 ATAAACCAATCATTTGATTTCTTAACCTCAAAACAAAGCTGTTGTAATCTGATCTC 697
DB 825 ATAAACCAATCATTTGATTTCTTAACCTCAAAACAAAGCTGTTGTAATCTGATCTC 884
QY 698 TAGCGTTCCTTCTGGGCCCCAACATTTCCATATATCCAGCCACATCAATTTTAAATATT 757
DB 885 TAGCGTTCCTTCTGGGCCCCAACATTTCCATATATCCAGCCACATCAATTTTAAATATT 944
QY 758 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTTACTCATTTT 817
DB 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTTACTCATTTT 1004
QY 818 AAGAGCCCTTCGTTGCTGCTGCTTAATATGATGATGCTGTTTCTTAAGGAGTGTCTG 877
DB 1005 AAGAGCCCTTCGTTGCTGCTGCTTAATATGATGATGCTGTTTCTTAAGGAGTGTCTG 1064
QY 878 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTATCTTA 937

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RESULT 4  
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 ; Sequence 690, Application US/09895793  
 ; Publication No. US20020192763A1  
 ; GENERAL INFORMATION:

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DB 1125 CTAGCACACAGCATGATCATTTAGCGAGTGAATTAATTAATCAACATCATCTCCAGTGTCT 1184
QY 998 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1057
DB 1185 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244
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DB 1305 CAGCTATGGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1364
QY 1178 TCCTCCCTCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAAAGCTTGTACTG 1237
DB 1365 TCCTCCCTCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAAAGCTTGTACTG 1424
QY 1238 AGGCTGTATACAGCACAGCTCTCCCAATCCCTCCAGCCCTTATCTGTCAATCAATCAAC 1297
DB 1425 AGGCTGTATACAGCACAGCTCTCCCAATCCCTCCAGCCCTTATCTGTCAATCAATCAAC 1484
QY 1298 CCTCCCATNYSACCTAAACAAATCTAATCTTGAATTTCTTGAACATCTCAGGNCATAC 1357
DB 1485 CCTCCCATNYSACCTAAACAAATCTAATCTTGAATTTCTTGAACATCTCAGGNCATAC 1544
QY 1358 ATTTTCTCTTGTGCTGAGAGCTCTTCTGCTCTTAANTCTAGAATGATGTAAGTT 1417
DB 1545 ATTTTCTCTTGTGCTGAGAGCTCTTCTGCTCTTAANTCTAGAATGATGTAAGTT 1604
QY 1418 TTGAATTAAGTTGATCTTATCTTCAATCAAGAAAGGACACATATGAGATTCATCATCA 1477
DB 1605 TTGAATTAAGTTGATCTTATCTTCAATCAAGAAAGGACACATATGAGATTCATCATCA 1664
QY 1478 CATGAGACAGCAATTAATAAGTGTAAATTTGATTAAGTGTGATTAATAATATATGAA 1537
DB 1665 CATGAGACAGCAATTAATAAGTGTAAATTTGATTAAGTGTGATTAATAATATATGAA 1724
QY 1538 ATGCAAGKCCACAGAGGGAATTTTATGGGGCAGCTTTGTAAGCTGGGATGTGAAGMA 1597
DB 1725 ATGCAAGKCCACAGAGGGAATTTTATGGGGCAGCTTTGTAAGCTGGGATGTGAAGMA 1784
QY 1598 AAGGCAGGGAACCTCATAGTATCTTATATAATATACTTCAATTTCTCTATCTCTATCA 1657
DB 1785 AAGGCAGGGAACCTCATAGTATCTTATATAATATACTTCAATTTCTCTATCTCTATCA 1844
QY 1658 TATCCAAAGCTTTTTCAGAGATTCATGCGAGTGAATTTCCCAAGTAACTTTATCTCC 1717
DB 1845 TATCCAAAGCTTTTTCAGAGATTCATGCGAGTGAATTTCCCAAGTAACTTTATCTCC 1904
QY 1718 ATTTCAATGCTGAGTGGCTTTAGAAATTTGGCAAAATCATACTGCTCACTTATCTCACT 1777
DB 1905 ATTTCAATGCTGAGTGGCTTTAGAAATTTGGCAAAATCATACTGCTCACTTATCTCACT 1964
QY 1778 TGAGATGTGTTTGTCTTGTAGTTAATTAAGAAATAGGCACTCTTGTAGGCCACTTT 1837
DB 1965 TGAGATGTGTTTGTCTTGTAGTTAATTAAGAAATAGGCACTCTTGTAGGCCACTTT 2024
QY 1838 AGGTTCACTCTCGGCAATAAAGAAATTTTACAAGA 1872
DB 2025 AGGTTCACTCTCGGCAATAAAGAAATTTTACAAGA 2059

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[illegible]

QY 1718 ATTTCAATGAGTGGCTTTAGAAATTTGGGAAATCACTAGGTCACTTATCTCAACTT 1777  
 Db 1905 ATTTCAATGAGTGGCTTTAGAAATTTGGGAAATCATACTGGTCACTTATCTCAACTT 1964  
 QY 1778 TGAGATGTTTCTCTCTGTTAGTAAATTTGAAAGAAATAGGCACTCTTGTGAGCCACTTT 1837  
 Db 1965 TGAGATGTTTCTCTCTGTTAGTAAATTTGAAAGAAATAGGCACTCTTGTGAGCCACTTT 2024  
 QY 1838 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 1872  
 Db 2025 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 2059

RESULT 5  
 US-09-895-814-690  
 ; Sequence 690, Application US/09895814  
 ; Publication No. US20020193296A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqiu  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel X.  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William T.  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Hural, John  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Houghton, Raymond L.  
 ; APPLICANT: Vinals de Bassols, Carlota  
 ; APPLICANT: Foy, Teresa  
 ; APPLICANT: Panger, Gary R.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C26  
 ; CURRENT APPLICATION NUMBER: US/09/895,814  
 ; CURRENT FILING DATE: 2001-06-29  
 ; NUMBER OF SEQ ID NOS: 990  
 ; SOFTWARE: Fast-Seq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 US-09-895-814-690

Query Match 73.0%; Score 1367; DB 9; Length 3923;  
 Best Local Similarity 99.5%; Pred. No. 0;  
 Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGTGAAATGG 157  
 Db 285 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGTGAAATGG 344  
 QY 158 AGATAATTAACATCACTAGAAAACAGCAGATGATGATATATGTTAAAGTAGTACATGT 217  
 Db 345 AGATAATTAACATCACTAGAAAACAGCAGATGATGATATATGTTAAAGTAGTACATGT 404  
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 Db 405 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACACAGGAGCACAAGGAGGACAC 464  
 QY 278 AGAGATCCCTGGGAGAAATCCCGCCGCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT 337  
 Db 465 AGAGATCCCTGGGAGAAATCCCGCCGCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT 524

QY 338 GCCTGGTCCCGCTTCTGTGAGGGAAGACATTTAGAAATGAATGATGTGTCTTCTTAAAGCA 397  
 Db 525 GCCTGGTCCCGCTTCTGTGAGGGAAGACATTTAGAAATGAATGATGTGTCTTCTTAAAGCA 584  
 QY 398 TGGGCAAGGAAAAACAGATCTGTGTGGGATATTTATTTGAAACGGGATTAACAGATTTTGAAT 457  
 Db 585 TGGGCAAGGAAAAACAGATCTGTGTGGGATATTTATTTGNAACGGGATTAACAGATTTGAAT 644  
 QY 458 GAAGTCACAAAGTGAGCAATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATGGCTT 517  
 Db 645 GAAGTCACAAAGTGAGCAATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATGGCTT 704  
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 Db 705 CACAAGACATGCAACAAACAAAATGGAATCTGTGATGATGATGAGGAGCCAGCTGGGG 764  
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 Db 765 AGGAGATTAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAACTGTGTGGTTC 824  
 QY 638 ATAACCAAAATCAATTTTCATATTTTAAACCTCAAAACAAAGCTGTGTGATATCTGATCTC 697  
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 QY 698 TAGGGTTCTCTGGGCCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTT 757  
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QY 1478 CATGAGACAGCAATACTAAAGCTGTAATTTGATTATAGAGTTTATAGATAAATATATGAA 1537
Db 1665 CATGAGACAGCAATACTAAAGCTGTAATTTGATTATAGAGTTTATAGATAAATATATGAA 1724
QY 1538 ATGCAAGAGCCACAGAGGGAATGTTTATGCGGCACCGTTTGAAGCCCTGGGATGTGAAGMA 1597
Db 1725 ATGCAAGAGCCACAGAGGGAATGTTTATGCGGCACCGTTTGAAGCCCTGGGATGTGAAGMA 1784
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Db 1845 TATCCAAACAGCTTTTTCACAGAAATTCATGAGGCAATCCCAAGGTAACCTTTATCC 1904
QY 1718 ATTTCATGTTGAGTGGCGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAACTT 1777
Db 1905 ATTTCATGTTGAGTGGCGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAACTT 1964
QY 1778 TGAGATGTTGTTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTT 1837
Db 1965 TGAGATGTTGTTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTT 2024
QY 1838 AGGGTTCACTCCCTGGCAATTAAGAAATTTACAAAGA 1872
Db 2025 AGGGTTCACTCCCTGGCAATTAAGAAATTTACAAAGA 2059

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# RESULT 6

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US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012, 896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens

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US-10-012-896-690
Query Match 73.0%; Score 1367; DB 13; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 98 GGTGAGAAATAGAAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
Db 285 GGTGAGAAATAGAAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAAACAGCAAGATGCAATATATATATATATATATATATATAT 217
Db 345 AGATAATTAACATCACTAGAAAACAGCAAGATGCAATATATATATATATATATATATATAT 404
QY 218 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAGAAAAGGAGCAC 277
Db 405 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAGAAAAGGAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCATGATGAGCCTGCCCTGT 337
Db 465 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCATGATGAGCCTGCCCTGT 524
QY 338 GCTGTGTCGGCTTGTGAGGAGGACATTTAGAAAATGAATGATGATGATGATGATGATGAT 397
Db 525 GCTGTGTCGGCTTGTGAGGAGGACATTTAGAAAATGAATGATGATGATGATGATGATGAT 584
QY 398 TGGGCAAGGAAAAACAGATCCCTGTTGTGGATATTTTATTTGAACGGGATTTACAGATTTGAAAT 457
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QY 518 CACAGACATGCAACAAACAAATGGAATTAATCTGTGATGATGATGATGATGATGATGATGAT 577
Db 705 CACAGACATGCAACAAACAAATGGAATTAATCTGTGATGATGATGATGATGATGATGATGAT 764
QY 578 AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTTTC 637
Db 765 AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTTTC 824
QY 638 ATAACCAAAATCATTTTCAATTTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 697
Db 825 ATAACCAAAATCATTTTCAATTTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 884
QY 698 TAGGGTTCTCTGGGCCCCAACATTTCTCCATATATCCAGGCCACACTCATTTTAAATATTT 757
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QY 758 AGTTCCAGATCTGTACTGTGACCTTTCTTACACTGTAGATAAATCACTTACTTCTTGTTC 817
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Db 1185 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244
QY 1058 TTCCATTATATACAGGATTAACCTTTTTTTTTTAACTGGGAGAAATTTCAATGTTTACATG 1117
Db 1245 TTCCATTATATACAGGATTAACCTTTTTTTTTTAACTGGGAGAAATTTCAATGTTTACATG 1304

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1118 CAGCTATGGAAATTTAAATACATATTTTGTCTTCCAGTCAAGATGACTAAGTCTCTTTA 1177
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1178 TCCTCCCTCTTGTGTTGATTTTTTCCAGTATAAAAGTTTAAATGCTTAGCCCTTGTACTG 1237
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1425 AGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGCTTATCTGTATCAGCATCAAC 1484
1298 CCTCCCATNYSACCTAAACAAATCTAACTGTGTAATCTCTTGAACATGTCAGGNCATAC 1357
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1418 TTGAATAAGTTGACTATCTTATCTTATGCAAGAGGACATATATGAGATTCATCATCA 1477
1605 TTGAATAAGTTGACTATCTTATCTTATGCAAGAGGACATATATGAGATTCATCATCA 1664
1478 CATGACAGCAATACATAAGTGTAAATTTGATTTAAGAGTTTATAGATAAATATATGAA 1537
1665 CATGACAGCAATACATAAGTGTAAATTTGATTTAAGAGTTTATAGATAAATATATGAA 1724
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1778 TGAGATGTTGTTGCTTGTAGTAAATTTGAAGAAATAGGCACTTCTGTGAGCACTTT 1837
1965 TCGATGTTGTTGCTTGTAGTAAATTTGAAGAAATAGGCACTTCTGTGAGCACTTT 2024
1838 AGGGTTCACTCTCGGCAATAAAGAAATTTTCAAGA 1872
2025 AGGGTTCACTCTCGGCAATAAAGAAATTTTCAAGA 2059

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RESULT 7

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US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Monsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER

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; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-205-823-316

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Query Match      73.0%; Score 1367; DB 15; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
DB 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCTACTAGAAAACAGCAAGATGACAATAATAATGTCTTAAGTAGTACATGT 217
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QY 338 GCCTGCTCCGCTGTGTGAGGAAAGGACATTAGAAAATGAATTTGATGTGTCTTAAAGGA 397
DB 525 GCCTGCTCCGCTGTGTGAGGAAAGGACATTAGAAAATGAATTTGATGTGTCTTAAAGGA 584
QY 398 TGGGAGGAAACACATCTGTTGTGGATATTTTGAACGGGATTAACAGATTTTGAAT 457
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Db 1365 TCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTTGTACTG 1424
QY 1238 AGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCATCACCATCAAC 1297
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QY 1298 CCCTCCCATNYSACCTTAAACAAATCTAACTGTGAATTCCTTGAAATGTCAGGNCATAC 1357
Db 1485 CCCTCCCATACACCTTAAACAAATCTAACTGTGAATTCCTTGAAATGTCAGGACATAC 1544
QY 1358 ATTTTTCCTTCTGCTGAGAGCTCTTCTGTTGCTCTTAANTCTAGAATGATGTAAGTT 1417
Db 1545 ATTTTTCCTTCTGCTGAGAGCTCTTCTGTTGCTCTTAAATCTAGAATGATGTAAGTT 1604
QY 1418 TTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGGACACATATGAGATTCATCATCA 1477
Db 1605 TTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGGACACATATGAGATTCATCATCA 1664
QY 1478 CATGAGACAGCAATACTAAAAGTGTAAATTTGATATATAAGAGTTTATAGATAAATATATGAA 1537
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QY 1598 AAGCGAGGAAACCTCATAGTATCTTATATATATATACTTCAATTTCTCTATCTATCACAA 1657
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QY 1658 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAAAATCCCAAGGTAAACCTTTATCC 1717
Db 1845 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAAAATCCCAAGGTAAACCTTTATCC 1904
QY 1718 ATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAAATCATACTGTCACATTTCTCAACTT 1777
Db 1905 ATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAAATCATACTGTCACATTTCTCAACTT 1964
QY 1778 TGAGATGTCTTTGTCTCTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTT 1837
Db 1965 TGAGATGTCTTTGTCTCTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTT 2024
QY 1838 AGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA 1872
Db 2025 AGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA 2059

RESULT 9
US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

Query Match 73.0%; Score 1367; DB 16; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
Db 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAACGACGATGACAAATATAATGTCTAAGTAGTGACATGT 217
Db 345 AGATAATTAACATCACTAGAAACGACGATGACAAATATAATGTCTAAGTAGTGACATGT 404
QY 218 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAAAAGGAAGCAC 277
Db 405 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAAAAGGAAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTTCATCGATGAGCCTCGCCCTGT 337
Db 465 AGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTTCATCGATGAGCCTCGCCCTGT 524
QY 338 GCCTGGTCCCGCTCTGAGGGAAGGACATTAAGAAATGAATTTGATGTGTTCTTAAAGGA 397
Db 525 GCCTGGTCCCGCTCTGAGGGAAGGACATTAAGAAATGAATTTGATGTGTTCTTAAAGGA 584
QY 398 TGGGACAGGAAAAACAGATCTCTGTTGTGGATATTTTGAACGGGATTAACAGATTTGAAAT 457
Db 585 TGGGACAGGAAAAACAGATCTCTGTTGTGGATATTTTGAACGGGATTAACAGATTTGAAAT 644
QY 458 GAAGTCACAAAGTGTAGCATTTACCAATGAGAGAAACACAGACGAGAAATCTTTGATGGCTT 517
Db 645 GAAGTCACAAAGTGTAGCATTTACCAATGAGAGAAACACAGACGAGAAATCTTTGATGGCTT 704
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1590 CAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGTCTATCGATGAGCCTCGCCCTG 1531
337 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTCTCTTAAAGG 396
1530 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTCTCTTAAAGG 1471
397 ATGGGAGAGAAACACATCTGTGTGGATATTTTGAACGGGATTACAGATTTGAA 456
1470 ATGGGAGAGAAACACATCTGTGTGGATATTTTGAACGGGATTACAGATTTGAA 1411
457 TGAAGTCAAAAGTGAACATTTCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 516
1410 TGAAGTCAAAAGTGAACATTTCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 1351
517 TCACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGGAGGCAAGCTGGG 576
1350 TCACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGGAGGCAAGCTGGG 1291
577 GAGGAGATTAACACGGGAGAGGATCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTT 636
1290 GAGGAGATTAACACGGGAGAGGATCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTT 1231
637 CATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 696
1230 CATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 1171
697 CTACGGTCTCTTGGGCGCAACATTTCCATATATCCAGCCACATCTCAATTTTAAATTT 756
1170 CTACGGTCTCTTGGGCGCAACATTTCCATATATCCAGCCACATCTCAATTTTAAATTT 1111
757 TAGTCTCCAGATCTGTACTGTGACCTTTCTACATGTAAGTAACATTTCTATTTGTT 816
1110 TAGTCTCCAGATCTGTACTGTGACCTTTCTACATGTAAGTAACATTTCTATTTGTT 1051
817 CAAAGACCTTCTGTGTGCTGCTTAATATGTAGCTGACTGTTTCTTAAAGGATGTTCT 876
1050 CAAAGACCTTCTGTGTGCTGCTTAATATGTAGCTGACTGTTTCTTAAAGGATGTTCT 991
877 GGGCCAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTCCAGGGTTATACCT 936
990 GGGCCAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTCCAGGGTTATACCT 931
937 ACTAGCACACAGCATCATCTACGAGTGAATTTCTAATCAACATCATCTCAGTGTC 996
930 ACTAGCACACAGCATCATCTACGAGTGAATTTCTAATCAACATCATCTCAGTGTC 871
997 TTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC 1056
870 TTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC 811
1057 ATTCCGATTAATATCACAGGATTAACCTTTTAACTGGAAGGATTTCAATGTTACAT 1116
810 ATTCCGATTAATATCACAGGATTAACCTTTTAACTGGAAGGATTTCAATGTTACAT 751
1117 GCAGCTATCGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGCTCTTT 1176
750 GCAGCTATCGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGCTCTTT 691
1177 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGACT 1236
690 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGACT 631
1237 GAGGCTGTATACAGC 1251
630 GAGGCTGTATACAGC 616

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RESULT 11  
 US-09-780-669-470/c  
 ; Sequence 470, Application US/09780669  
 ; Patent No. US20020051977A1  
 ; GENERAL INFORMATION:

```

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-780-669-470

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Query Match 61.7%; Score 1155; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGTGAGAAATTAAGAAAGGCTGCTGACTTACCATCTGAGGCGCACACATCTGCTGAAATG 156
DB 1770 AGTGAGAAATTAAGAAAGGCTGCTGACTTACCATCTGAGGCGCACACATCTGCTGAAATG 1711
QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATG 216
DB 1710 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATG 1651
QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAGCA 276
DB 1650 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTG 336
DB 1590 CAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGTATGTCTCTTAAAGG 396
DB 1530 TGCCTGGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGTATGTCTCTTAAAGG 1471
QY 397 ATGGGAGAGAAACACATCTGTGTGGATATTTTGAACGGGATTACAGATTTGAA 456
DB 1470 ATGGGAGAGAAACACATCTGTGTGGATATTTTGAACGGGATTACAGATTTGAA 1411
QY 457 TGAAGTCAAAAGTGAACATTTCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 516
DB 1410 TGAAGTCAAAAGTGAACATTTCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 1351
QY 517 TCACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGGAGGCAAGCTGGG 576
DB 1350 TCACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGGAGGCAAGCTGGG 1291
QY 577 GAGGAGATTAACACGGGAGAGGATCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTT 636
DB 1290 GAGGAGATTAACACGGGAGAGGATCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTT 1231

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QY 637 CATACCAAAATCATTTTCATATTTCTAAACCTCAAAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATAACAAATCATTTTCATATTTCTAAACCTCAAAAAGCTGTTGTAATATCTGATCT 1171
QY 697 CTACGGTCTCTCTCGGGCCCAACATTTCTCATATATCCAGCCACACATCTATTTTAAATTT 756
Db 1170 CTACGGTCTCTCTCGGGCCCAACATTTCTCATATATCCAGCCACACATCTATTTTAAATTT 1111
QY 757 TAGTTCCTCCAGATCTGTAACCTTTCTTACATCTGTAGAAATAACATTAATCTCATTTTGT 816
Db 1110 TAGTTCCTCCAGATCTGTAACCTTTCTTACATCTGTAGAAATAACATTAATCTCATTTTGT 1051
QY 817 CAAAGACCTTCTGTGTCTGCTTAATATGTAGTCTGATCTGTTTCTTAAAGAGTGTCTCT 876
Db 1050 CAAAGACCTTCTGTGTCTGCTTAATATGTAGTCTGATCTGTTTCTTAAAGAGTGTCTCT 991
QY 877 GSCCCAGGGGATCTGTGAACAGCTCGGGAAGCATCTCAAGATCTTTCCAGGGTTATAC 936
Db 990 GSCCCAGGGGATCTGTGAACAGCTCGGGAAGCATCTCAAGATCTTTCCAGGGTTATAC 931
QY 937 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 996
Db 930 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 871
QY 997 TTGGCCCATCTGAAATTCATTTCCCATTTTGTGTCCTATTTCTCAAGACCTCAAAATGTC 1056
Db 870 TTGGCCCATCTGAAATTCATTTCCCATTTTGTGTCCTATTTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCATTAATATCAAGAGTTAACTTTTAACTGGAAGAAATTCATTTTAACTGGAAG 1116
Db 810 ATTCCATTAATATCAAGAGTTAACTTTTAACTGGAAGAAATTCATTTTAACTGGAAG 751
QY 1117 GCAGCTATGGGAATTTAAATACATATTTTGTGTCCTGCAAGATGACTAAGTCTCTTT 1176
Db 750 GCAGCTATGGGAATTTAAATACATATTTTGTGTCCTGCAAGATGACTAAGTCTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCTTGTACT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCTTGTACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616

RESULT 12
US-09-822-827-470/c
; Sequence 470, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822, 827
; CURRENT FILING DATE: 2001-03-28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-470

Query Match 61.7%; Score 1155; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAATAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711
QY 157 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATATGTCTTAAGTAGTGACATG 216
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Db 1710 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATATGTCTTAAGTAGTGACATG 1651
QY 217 TTTTGTGCACATTTCCAGCCCTTTTAAATATCACACACACAGGAAGCA 276
Db 1650 TTTTGTGCACATTTCCAGCCCTTTTAAATATCACACACACAGGAAGCA 1591
QY 277 CAGAGATCCTCGGAGAAATGCCCGCCCATTTTGGGTCTATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCTCGGAGAAATGCCCGCCCATTTTGGGTCTATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGTCTCCCTGTTGAGGGAAGGACATTTAGAAAATGAATGTGTCTTCTTAAAG 396
Db 1530 TGCCTGTCTCCCTGTTGAGGGAAGGACATTTAGAAAATGAATGTGTCTTCTTAAAG 1471
QY 397 ATGGGCGAGGAAACAGATCTCTGTGTGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 456
Db 1470 ATGGGCGAGGAAACAGATCTCTGTGTGGATATTTTATTTGAAACGGGATTTACAGATTTGAAA 1411
QY 457 TCAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGAGAGAAATCTTGTATGGCT 516
Db 1410 TCAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGAGAGAAATCTTGTATGGCT 1351
QY 517 TCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCGAGCCAGCTGGG 576
Db 1350 TCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCGAGCCAGCTGGG 1291
QY 577 GAGGAGATAACACACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 636
Db 1290 GAGGAGATAACACACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 1231
QY 637 CATAAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATAAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 1171
QY 697 CTACGGTCTCTCTCGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATTT 756
Db 1170 CTACGGTCTCTCTCGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATTT 1111
QY 757 TAGTTCCTCCAGATCTGTACTGTGACCTTTCTACATCTGTAGAAATAACATTAATCTCATTTTGT 816
Db 1110 TAGTTCCTCCAGATCTGTACTGTGACCTTTCTACATCTGTAGAAATAACATTAATCTCATTTTGT 1051
QY 817 CAAAGACCTTCTGTGCTGCTTAATATGTAGTGAATCTGTTTCTTAAAGAGTGTCTCT 876
Db 1050 CAAAGACCTTCTGTGCTGCTTAATATGTAGTGAATCTTCTTAAAGAGTGTCTCTCT 991
QY 877 GSCCCAGGGGATCTGTGAACAGCTCGGGAAGCATCTCAAGATCTTTCCAGGGTTATAC 936
Db 990 GSCCCAGGGGATCTGTGAACAGCTCGGGAAGCATCTCAAGATCTTTCCAGGGTTATAC 931
QY 937 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 996
Db 930 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 871
QY 997 TTTGCCCATACTGAAATTCATTTCCCATTTTGTGTCCTATTTCTCAAGACCTCAAAATGTC 1056
Db 870 TTTGCCCATACTGAAATTCATTTCCCATTTTGTGTCCTATTTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCATTAATATCAAGAGTTAACTTTTAACTGGAAGAAATTCATTTTAACTGGAAG 1116
Db 810 ATTCCATTAATATCAAGAGTTAACTTTTAACTGGAAGAAATTCATTTTAACTGGAAG 751
QY 1117 GCAGCTATGGGAATTTAAATACATATTTTGTGTCCTGCAAGATGACTAAGTCTCTTT 1176
Db 750 GCAGCTATGGGAATTTAAATACATATTTTGTGTCCTGCAAGATGACTAAGTCTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCTTGTACT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCTTGTACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616
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Db 630 GAGGCTGTATACAGC 616

RESULT 13

US-09-895-793-470/c

; Sequence 470, Application US/09895793

; Publication No. US20020192763A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yugu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota

; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.534C2

; CURRENT APPLICATION NUMBER: US/09/895,793

; CURRENT FILING DATE: 2001-06-29

; NUMBER OF SEQ ID NOS: 982

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-895-793-470

Query Match 61.7%; Score 1155; DB 9; Length 2426;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156

Db 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711

QY 157 GAGATTAATTAACATCTGAGAAACAGCAGATGACATTAATGCTTAAGTAGTGACATG 216

Db 1710 GAGATTAATTAACATCTAGAAACAGCAGATGACATTAATGCTTAAGTAGTGACATG 1651

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATACACACACAGAGAACACAAAGGAAGCA 276

Db 1650 TTTTTCACATTTCCAGCCCTTTAAATATACACACACAGAGAACACAAAGGAAGCA 1591

QY 277 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCGATGAGCCCTCGCCCTG 336

Db 1590 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCGATGAGCCCTCGCCCTG 1531

QY 337 TGCCTGGTCCCGTTGTGAGGAGAGACATTAAGAAATGAATGATGCTTCCCTTAAGG 396

Db 1530 TGCCTGGTCCCGTTGTGAGGAGAGACATTAAGAAATGAATGATGCTTCCCTTAAGG 1471

QY 397 ATGGGAGAAACACATCTGTTGGATATTTATTTGAAACGGGATTAACAGATTTGAA 456

Db 1470 ATGGGAGAAACACATCTGTTGGATATTTATTTGAAACGGGATTAACAGATTTGAA 1411

QY 457 TGAAGTCAAAAGTGAAGCATTTACCATGAGAGAAACAGACGAGAAATCTTGATGGCT 516

Db 1410 TGAAGTCAAAAGTGAAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCT 1351

QY 517 TCACAGACATCCAAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGG 576

Db 1350 TCACAGACATCCAAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGG 1291

QY 577 GAGGAGATAAACACCGGGGAGAGGGTCAAGGATTTCTGGCCCTCTGCTCTAAACCTGTGCGTT 636

Db 1290 GAGGAGATAAACACCGGGGAGAGGGTCAAGGATTTCTGGCCCTCTGCTCTAAACCTGTGCGTT 1231

QY 637 CATAACCAAAATCAATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATATCTGATCT 696

Db 1230 CATAACCAAAATCAATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATATCTGATCT 1171

QY 697 CTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGGCCACACTCAATTTTAAATATT 756

Db 1170 CTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGGCCACACTCAATTTTAAATATT 1111

QY 757 TAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCAATTTTGT 816

Db 1110 TAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCAATTTTGT 1051

QY 817 CAAAGACCTTCTGCTGTGCTTAATATGTAGTGAATTTTCTTAAAGAGTGTCT 876

Db 1050 CAAAGACCTTCTGCTGTGCTTAATATGTAGTGAATTTTCTTAAAGAGTGTCT 991

QY 877 GGCCAGGGGATCTGTGAACAGGCTGGAGAGCATCTCAGATCTTCCAGGGTATATCTT 936

Db 990 GGCCAGGGGATCTGTGAACAGGCTGGAGAGCATCTCAGATCTTCCAGGGTATATCTT 931

QY 937 ACTAGCACACAGCATGATCATTAACGAGTGAATTAATCAATCAACATCATCTCAGTGT 996

Db 930 ACTAGCACACAGCATGATCATTAACGAGTGAATTAATCAATCAACATCATCTCAGTGT 871

QY 997 TTTGCCCCATCTGAAATCAATTTCCACATTTTGTGCCCATCTCAAGACCTCAAAATGTC 1056

Db 870 TTTGCCCCATCTGAAATCAATTTCCACATTTTGTGCCCATCTCAAGACCTCAAAATGTC 811

QY 1057 ATTCCATTAATATCACAGGATTAATCTTTTAACTGGAAGAAATCAATGTTTACAT 1116

Db 810 ATTCCATTAATATCACAGGATTAATCTTTTAACTGGAAGAAATCAATGTTTACAT 751

QY 1117 GCAGCTATGGGAATTAATTAATATATATTTTCCAGTGCAAGATGATCAAGTCTCTTT 1176

Db 750 GCAGCTATGGGAATTAATTAATATATTTTCCAGTGCAAGATGATCAAGTCTCTTT 691

QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACT 1236

Db 690 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACT 631

QY 1237 GAGGCTGTATACAGC 1251

Db 630 GAGGCTGTATACAGC 616

RESULT 14

US-09-895-793-470/c

; Sequence 470, Application US/09895814

; Publication No. US20020193296A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yugu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun



```

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-470

Query Match          61.7%; Score 1155; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711

QY 157 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATTAATGTTCTAAGTAGTGACATG 216
DB 1710 GAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATTAATGTTCTAAGTAGTGACATG 1651

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACACAGCAAGCAACAAAGGAAGCA 276
DB 1650 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACACAGCAAGCAACAAAGGAAGCA 1591

QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTTGGGTCATCGATGAGCCCTGCGCCCTG 336
DB 1590 CAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTTGGGTCATCGATGAGCCCTGCGCCCTG 1531

QY 337 TGCTCGTCCCGTCTGTGAGGGAAGGACATATAGAAAATGAATGATGTGTTCTTAAAGG 396
DB 1530 TGCTCGTCCCGTCTGTGAGGGAAGGACATATAGAAAATGAATGATGTGTTCTTAAAGG 1471

QY 397 ATGGGAGGAAACACATCTGTGTTGGATATTTATTTGACGGGATTACAGATTTGAAA 456
DB 1470 ATGGGAGGAAACACATCTGTGTTGGATATTTATTTGACGGGATTACAGATTTGAAA 1411

QY 457 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACAGAAATCTTTGATGGCT 516
DB 1410 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACAGAAATCTTTGATGGCT 1351

QY 517 TCAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGATGATGATGATGATGATG 576
DB 1350 TCAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGATGATGATGATGATGATG 1291

QY 577 GAGGAGATTAACACGGGGGAGGGGTGAGGATCTGCGCCCTGCTGCTGCTGCTGCTGCTGCT 636
DB 1290 GAGGAGATTAACACGGGGGAGGGGTGAGGATCTGCGCCCTGCTGCTGCTGCTGCTGCTGCT 1231

QY 637 CATACCAATATTTTATATTTTCTAACCTTCAAAACAAAGCTGTGTAATATCTGATCT 696
DB 1230 CATACCAATATTTTATATTTTCTAACCTTCAAAACAAAGCTGTGTAATATCTGATCT 1171

QY 697 CTACGGTTCCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATAT 756
DB 1170 CTACGGTTCCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATAT 1111

QY 757 TAGTTCACAGATCTGATGTAACCTTTTCACTGATGATGATGATGATGATGATGATGATGAT 816
DB 1110 TAGTTCACAGATCTGATGTAACCTTTTCACTGATGATGATGATGATGATGATGATGATGAT 1051

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QY 817 CAAAGACCCCTCGTGTGCTGCTTAATATGATAGCTGACTGTTTCTTCTAGGAGTGTCT 876
DB 1050 CAAAGACCCCTCGTGTGCTGCTTAATATGATAGCTGACTGTTTCTTCTAGGAGTGTCT 991

QY 877 GGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTT 936
DB 990 GGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTT 931

QY 937 ACTAGCACACAGCATGATCATTAACGAGTGAATTTCTAATCAACATCATCCTCAGTGTC 996
DB 930 ACTAGCACACAGCATGATCATTAACGAGTGAATTTCTAATCAACATCATCCTCAGTGTC 871

QY 997 TTTGGCCCATACTGAAATTCATTTCCACACTTTTGTGCCCCTTTTCCAGACCTCCTCAAAATGTC 1056
DB 870 TTTGGCCCATACTGAAATTCATTTCCACACTTTTGTGCCCCTTTTCCAGACCTCCTCAAAATGTC 811

QY 1057 ATTCCATTAATATCACAGGATTAACATTTTAACTTAACTTAACTTAACTTAACTTAACTT 1116
DB 810 ATTCCATTAATATCACAGGATTAACATTTTAACTTAACTTAACTTAACTTAACTTAACTT 751

QY 1117 GCAGCTATGGAATTTAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTTAAGTCTCTT 1176
DB 750 GCAGCTATGGAATTTAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTTAAGTCTCTT 691

QY 1177 ATCCCTCCCTCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACT 1236
DB 690 ATCCCTCCCTCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACT 631

QY 1237 GAGGCTGTATACAGC 1251
DB 630 GAGGCTGTATACAGC 616

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RESULT 15
US-10-012-896-470/c
; Sequence 470, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA

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; ORGANISM: Homo sapiens									
US-10-012-896-470									
Query Match 61.7%; Score 1155; DB 13; Length 2426;									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	97	AGGTGAGAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	156						
Db	1770	AGGTGAGAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	1711						
QY	157	GAGATAATTAAACATCACTAGAAAACAGCAAGATGACAATAATGTTCTAAGTAGTGACATG	216						
Db	1710	GAGATAATTAAACATCACTAGAAAACAGCAAGATGACAATAATGTTCTAAGTAGTGACATG	1651						
QY	217	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA	276						
Db	1650	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCA	1591						
QY	277	CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG	336						
Db	1590	CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTG	1531						
QY	337	TGCTCGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATGTGTCTCTTAAGG	396						
Db	1530	TGCTCGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATGTGTCTCTTAAGG	1471						
QY	397	ATGGGAGGAAAACAGATCTGTGTGGATATTTTGAACCGGATTTACAGATTTGAAA	456						
Db	1470	ATGGGAGGAAAACAGATCTGTGTGGATATTTTGAACCGGATTTACAGATTTGAAA	1411						
QY	457	TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGCAGAAAATCTTGATGGCT	516						
Db	1410	TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGCAGAAAATCTTGATGGCT	1351						
QY	517	TCACAAAGCATGCAACAAAACAAAATGGAATPACTGTGTGATGACATGAGGCGCCAAAGCTGGG	576						
Db	1350	TCACAAAGCATGCAACAAAACAAAATGGAATPACTGTGTGATGACATGAGGCGCCAAAGCTGGG	1291						
QY	577	GAGGAGATAACACCGGGGACAGGGGTGAGGATCTGGCCCTGCTGCTAAACTGTGCGTT	636						
Db	1290	GAGGAGATAACACCGGGGACAGGGGTGAGGATCTGGCCCTGCTGCTAAACTGTGCGTT	1231						
QY	637	CATAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT	696						
Db	1230	CATAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT	1171						
QY	697	CTACGGTTCCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATAT	756						
Db	1170	CTACGGTTCCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATAT	1111						
QY	757	TAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTTGT	816						
Db	1110	TAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTTGT	1051						
QY	817	CAAGACCTTCTGCTGTGCTGCTTAATATGCTAGCTGACTGTTTCTTAAGGAGTGTCT	876						
Db	1050	CAAGACCTTCTGCTGTGCTGCTTAATATGCTAGCTGACTGTTTCTTAAGGAGTGTCT	991						
QY	877	GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTT	936						
Db	990	GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTT	931						
QY	937	ACTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCAACATCATCTCAGTGTC	996						
Db	930	ACTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCAACATCATCTCAGTGTC	871						
QY	997	TTTTGCCCATACTGAAATTCATTTCCCACTTTTGGCCCATTTCTCAAGACCTCAAAATGTC	1056						
Db	870	TTTTGCCCATACTGAAATTCATTTCCCACTTTTGGCCCATTTCTCAAGACCTCAAAATGTC	811						
QY	1057	ATTCCCAATTAATATCACAGGATTAACCTTTTAACTGGGAAGAAATTCAAATGTTTACAT	1116						

Search completed: April 7, 2005, 00:29:40  
Job time : 1075.58 secs





Query Match	80.0%;	Score 1629;	DB 9;	Length 3923;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 2029;	Conservative	0;	Mismatches	8; Indels 0; Gaps 0;

QY	1	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCGCAGGAGGAGACCAG	60
DB	23	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCGCAGGAGGAGACCAG	82
QY	61	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACAACATATACTTAC	120
DB	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACAACATATACTTAC	142
QY	121	TGTTTTCAATGAAACCAAGATAAATAGTGAAGGCTAGTCCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTTCAATGAAACCAAGATAAATAGTGAAGGCTAGTCCGCTGTGAGTCTCCTCAGT	202
QY	181	GACACAGGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGGAGATAAATTAAACATCACTAGAAACCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAAATGGAGATAAATTAAACATCACTAGAAACCAAGATGACAATA	382
QY	361	TAATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	420
DB	383	TAATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	442
QY	421	CAGGAAGCACAAGGAGACACAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGG	480
DB	443	CAGGAAGCACAAGGAGACACAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGG	502
QY	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGACATTAGAAAAATG	540
DB	503	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGACATTAGAAAAATG	562
QY	541	AATTGATGTGTTCTTAAAGATGGGAGAAAACAGATCCTGTTGTGGATATTTATTTG	600
DB	563	AATTGATGTGTTCTTAAAGATGGGAGAAAACAGATCCTGTTGTGGATATTTATTTG	622
QY	601	AACGGATTACAGATTTGAAATGAAGTCAACAAGTGAAGCATTAACAATGAGAGGAAAACA	660
DB	623	AACGGATTACAGATTTGAAATGAAGTCAACAAGTGAAGCATTAACAATGAGAGGAAAACA	682
QY	661	GACGAGAAAAATCTTGATGGCTTCAACAGACATGCAACAAAACAAATGGAATCTGTGATG	720
DB	683	GACGAGAAAAATCTTGATGGCTTCAACAGACATGCAACAAAACAAATGGAATCTGTGATG	742
QY	721	ACATGAGGACCAAGCTGGGGAGGATTAACACGGGGCAGAGGTCAGGATTCGSGCC	780
DB	743	ACATGAGGACCAAGCTGGGGAGGATTAACACGGGGCAGAGGTCAGGATTCGSGCC	802
QY	781	CTGCTGCTAAAACCTGTCGGTTTCATAACCAAAATCATTTTCTAATTTCTAACCCCTCAAAA	840
DB	803	CTGCTGCTAAAACCTGTCGGTTTCATAACCAAAATCATTTTCTAATTTCTAACCCCTCAAAA	862
QY	841	AGCTGTTGTAATATCTGATCTTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTTGTAATATCTGATCTTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA	922
QY	901	GCCACACTCATTTTTAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	960
DB	923	GCCACACTCATTTTTAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	982
QY	961	AATAACATTACTCATTTTGTTCAAGACCCCTTCGTGTGTGCTGCTTAATATGATAGCTGACT	1020
DB	983	AATAACATTACTCATTTTGTTCAAGACCCCTTCGTGTGTGCTGCTTAATATGATAGCTGACT	1042

## RESULT 2

US-09-780-669-690  
; Sequence 690, Application US/09780669  
; Patent No. US20020051977A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yuqui  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Retter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedrick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Hepler, William  
 APPLICANT: Hural, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.427C24  
 CURRENT APPLICATION NUMBER: US/09/780,669  
 CURRENT FILING DATE: 2001-02-09  
 NUMBER OF SEQ ID NOS: 943  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 690  
 LENGTH: 3923  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 US-09-780-669-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY	1	AGAACTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACACAG	60
DB	23	AGNAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACACAG	82
QY	61	GAAGATCTGCATGTTGGGAGGACCTGATGATACAGAGGAATPACAAACATATCTTAG	120
DB	83	GAAGATCTGCATGTTGGGAGGACCTGATGATACAGAGGAATPACAAACATATCTTAG	142
QY	121	TGTTTCAATGACACCAAGATAAATGAATGAAGAGTACTCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATGAATGAAGAGTACTCGCTGTGAGTCTCCTCAGT	202
QY	181	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAATGGAGATAATTAACATCCTAGAAAAGAGGATGACAATA	360
DB	323	GGCCACACATCTGCTGAATGGAGATAATTAACATCCTAGAAAAGAGGATGACAATA	382
QY	361	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA	420
DB	383	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA	442
QY	421	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCTCTTTGGG	480
DB	443	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCTCTTTGGG	502
QY	481	TCATCGATGAGCCTCGCCCTGTGCTCGCTTGTGAGGAGGACATTAGAAAATG	540
DB	503	TCATCGATGAGCCTCGCCCTGTGCTCGCTTGTGAGGAGGACATTAGAAAATG	562

QY	541	AATTGATGTTCTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTTGTGGATATTTATTTG	600
DB	563	AATTGATGTTCTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTTGTGGATATTTATTTG	622
QY	601	AACGGGATTACAGATTGAAATGAAGTCAAAAAGTGAAGTATTAACCAATGAGAGAAAACA	660
DB	623	AACGGGATTACAGATTGAAATGAAGTCAAAAAGTGAAGTATTAACCAATGAGAGAAAACA	682
QY	661	GACGAGAAAAATCTTGATGCTTTCACAAGACATGCAACAAACAAAATGGAATCTGTGATG	720
DB	683	GACGAGAAAAATCTTGATGCTTTCACAAGACATGCAACAAACAAAATGGAATCTGTGATG	742
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGGTCTAGGATTTCTGGCC	780
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGGTCTAGGATTTCTGGCC	802
QY	781	CTGCTGCCCTAAACTGTGCGTTTCAATACAAATCATTTTCAATATTTTAAACCTCAAAACA	840
DB	803	CTGCTGCCCTAAACTGTGCGTTTCAATACAAATCATTTTCAATATTTTAAACCTCAAAACA	862
QY	841	AGCTGTTGTAATCTGATCTCTAGGTTTCTTCTGCGGCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTTGTAATCTGATCTCTAGGTTTCTTCTGCGGCCCAACATTTCTCCATATATCCA	922
QY	901	GCACACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	960
DB	923	GCACACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	982
QY	961	AATAACATTAATCTGATTTTCAAGAGCCCTTGTGTTGCTGCTTAATATGATGACTGACT	1020
DB	983	AATAACATTAATCTGATTTTCAAGAGCCCTTGTGTTGCTGCTTAATATGATGACTGACT	1042
QY	1021	GTTTTCTTAAAGGAGTTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTTTCTTAAAGGAGTTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
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DB	1103	GATCTTTCCAGGGTTATCTTACTAGCAACAGCATGATCATTTACGAGTGAATATCTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAATTCATTTCCCATCTTTTGGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAATTCATTTCCCATCTTTTGGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTAATATACAGGATTAATCTTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTAATATACAGGATTAATCTTTTAAACC	1282
QY	1261	TGGAAGAATTCATGTTTACATGACGTATGGGAATTTAATTAACATATTTTGTTCAGT	1320
DB	1283	TGGAAGAATTCATGTTTACATGACGTATGGGAATTTAATTAACATATTTTGTTCAGT	1342
QY	1321	GCAAGATGACTAAGTCTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATATAAGT	1380
DB	1343	GCAAGATGACTAAGTCTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATATAAGT	1402
QY	1381	TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGACAGCCCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGACAGCCCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCTACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT	1500
DB	1463	CTTATCTGTCTACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT	1522
QY	1501	CCTTCAACATGTCAGGNCATACATTTCTTCTTCTGCTGAGAGGCTCTTCTTGTCTCTT	1560
DB	1523	CCTTCAACATGTCAGGNCATACATTTCTTCTTCTGCTGAGAGGCTCTTCTTGTCTCTT	1582
QY	1561	AANTCTAGAAATGATGTAAGTTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGGG	1620
DB	1583	AANTCTAGAAATGATGTAAGTTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGGG	1642

1621 ACACATATCAGATTCATCATCATGAGACAGCAAACTATAAAGTGTAATTTGATTATA 1680  
 1643 ACACATATCAGATTCATCATCATGAGACAGCAAACTATAAAGTGTAATTTGATTATA 1702  
 1681 AGAGTTTATAGATAAATATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGCACGTT 1740  
 1703 AGAGTTTATAGATAAATATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGCACGTT 1762  
 1741 TGTAGCCTGGATGTGAAGMAAGCGGGAACCTCATAGTATCTTATATATATATCTT 1800  
 1763 TGTAGCCTGGATGTGAAGMAAGCGGGAACCTCATAGTATCTTATATATATATCTT 1822  
 1801 CATTTCTCTATCTCATCATATATCAATATCAACAAAGCTTTTACAGAAATTCATGAGTGCMAA 1860  
 1823 CATTTCTCTATCTCATCATATATCAATATCAACAAAGCTTTTACAGAAATTCATGAGTGCMAA 1882  
 1861 TCCCCAAAGGTAAACCTTTATCCATTTCAATGAGTGCCTTTTACAGAAATTTTGGCAAAATCA 1920  
 1883 TCCCCAAAGGTAAACCTTTATCCATTTCAATGAGTGCCTTTTACAGAAATTTTGGCAAAATCA 1942  
 1921 TACTGCTCATTTATCTCAACTTTGAGATGCTGTTTGTCTGTAGTTAAATGGAAGAAATA 1980  
 1943 TACTGCTCATTTATCTCAACTTTGAGATGCTGTTTGTCTGTAGTTAAATGGAAGAAATA 2002  
 1981 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 2037  
 2003 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 2059

RESULT 3

US-09-822-827-690  
 ; Sequence 690, Application US/09822827  
 ; Patent No. US20020081680A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.534C1  
 ; CURRENT APPLICATION NUMBER: US/09/822,827  
 ; CURRENT FILING DATE: 2001-03-28  
 ; NUMBER OF SEQ ID NOS: 982  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-822-827-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;  
 Best Local Similarity 99.6%; Pred. No. 0;  
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCAG 60  
 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCAG 82  
 61 GAAGATCTCGATGGTGGGAGGACCTGATGATACAGAGGAATTTACACATATATCTTAG 120  
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 121 TGTTCCTCAATGAACCAACCAAGATAAATGAAGAGCTAGTCCGCTGTGAGTCTCTCTCAGT 180  
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 181 GACACAGGCTGGATCACCATCGACGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240  
 203 GACACAGGCTGGATCACCATCGACGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262  
 241 CTACACATCTCAATGGCAGGGTGCAGAAATGAAGAGCTGCTGACATTTACCATCTCA 300  
 263 CTACACATCTCAATGGCAGGGTGCAGAAATGAAGAGCTGCTGACATTTACCATCTCA 322  
 301 GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 360

323 GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 382  
 361 TAATGCTCTAAGTAGTGACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACA 420  
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 421 CAGGAAGCACAAGAAAGAACAGACAGAGATCCCTGGGAGAAATGCGCCGCGCCATCTTGGG 480  
 443 CAGGAAGCACAAGAAAGAACAGACAGAGATCCCTGGGAGAAATGCGCCGCGCCATCTTGGG 502  
 481 TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540  
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 541 AATTGATGCTGCTTAAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTTG 600  
 563 AATTGATGCTGCTTAAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTTG 622  
 601 AACGGGATTTACAGATTTTGAATGAAAGTCAAAAGTGAAGTCAATTAACCAATGAGAGGAAAA 660  
 623 AACGGGATTTACAGATTTTGAATGAAAGTCAAAAGTGAAGTCAATTAACCAATGAGAGGAAAA 682  
 661 GACGAGAAATCTTGATGCTTCAAGACATGCAACAAACAAACAAACAAACAAACAAACAAAC 720  
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 721 ACATGAGCAGCAAGCTGGGAGGAGATTAACCGGGCAGAGGCTCAGGATTTCTGGCC 780  
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 781 CTGCTGCTTAACTGTGGTTTCAATAACAAATCAATTTTCAATATTTTAAACCTTCAAAACAA 840  
 803 CTGCTGCTTAACTGTGGTTTCAATAACAAATCAATTTTCAATATTTTAAACCTTCAAAACAA 862  
 841 AGCTGTTGTAATATCTGATCTCTACGGTCTCTGCGGCTTCTGCGGCTTCTGCGGCTTCTG 900  
 863 AGCTGTTGTAATATCTGATCTCTACGGTCTCTGCGGCTTCTGCGGCTTCTGCGGCTTCTG 922  
 901 GGCACACTCATTTTAAATATTTAGTTCAGGATCTGTAATGTAATGTAATGTAATGTAATGTA 960  
 923 GGCACACTCATTTTAAATATTTAGTTCAGGATCTGTAATGTAATGTAATGTAATGTAATGTA 982  
 961 AATAACATTAATCAATTTTAAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020  
 983 AATAACATTAATCAATTTTAAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1042  
 1021 GTTTTTTCTAAGAGTGTCTGGCCAGGGATCTGTGAACAGGCTGGGAGGATCTCAA 1080  
 1043 GTTTTTTCTAAGAGTGTCTGGCCAGGGATCTGTGAACAGGCTGGGAGGATCTCAA 1102  
 1081 GATCTTCCAGGGTATATCTTACTAGCACACAGCATGATTAATGAGGATGAATTAATTA 1140  
 1103 GATCTTCCAGGGTATATCTTACTAGCACACAGCATGATTAATGAGGATGAATTAATTA 1162  
 1141 ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTTGTGCCCA 1200  
 1163 ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTTGTGCCCA 1222  
 1201 TTCTCAAGACCTTCAAAATGTCATTCATTAATATCAAGGATTAATTTTTTTTTTTTAAAC 1260  
 1223 TTCTCAAGACCTTCAAAATGTCATTCATTAATATCAAGGATTAATTTTTTTTTTTTAAAC 1282  
 1261 TCGAAGATTAATGTCATTCATTCAGTCAAGTGGAAATTAATTAATTAATTTTGTTCAGT 1320  
 1283 TCGAAGATTAATGTCATTCATTCAGTCAAGTGGAAATTAATTAATTAATTTTGTTCAGT 1342  
 1321 GCAAGATGACTAAGTCTCTTATCCCTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1380  
 1343 GCAAGATGACTAAGTCTCTTATCCCTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1402  
 1381 TAAATGCTTACGCTTGTACTGAGGCTGTATACAGCAGGCTCTCCCACTCTCCCACTCTCC 1440

Db 1403 TAAATGCTTAGCCTTGCTAGGCTGTATATACAGACAGCCCTCTCCCATCCCTCAGC 1462  
 QY 1441 CTTATCTGTGTCATCACCATCAACCCCTCCCATNTSACCTTAACAAAATCTAACTTTGAATT 1500  
 Db 1463 CTTATCTGTGTCATCACCATCAACCCCTCCCATNTSACCTTAACAAAATCTAACTTTGAATT 1522  
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 Db 1523 CTTTGAACATGTGAGNCATACATATTTCTTCTGCTGCTGAGAGCTCTCTCTTGTCTCTT 1582  
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 Db 1583 AANTCTAGATGATGTAAAGTTTGAATAGTTGACTATCTTACTTTCATGCAAGAGGG 1642  
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 Db 1643 ACATATATGAGATTTCATCATCATGAGACAGCAAAATACATAAAGTGTAAATTTGATTATA 1702  
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 Db 1703 AGATTTAGATTAATATATGAATATGAAGKCCACAGAGGGAATGTTTATGGGCAAGTT 1762  
 QY 1741 TGTAAAGCTGGGATGTGAAGMAAGGACGGGAACCTCATAGTATCTTATATATATATAT 1800  
 Db 1763 TGTAAAGCTGGGATGTGAAGMAAGGACGGGAACCTCATAGTATCTTATATATATATAT 1822  
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 Db 1823 CATTTCTCTATCTCTATCAATATCAACAAAGCTTTTACAGAAATTCATGAGTCAAA 1882  
 QY 1861 TCCCCAAAGTAACTTTATTCATATTCATGAGTGGGCTTTAGAAATTTTGGCAAAATCA 1920  
 Db 1883 TCCCCAAAGTAACTTTATTCATATTCATGAGTGGGCTTTAGAAATTTTGGCAAAATCA 1942  
 QY 1921 TACTGTCTACTTATCTCACTTTGAGATCTGTTTGTCTGTAGTTAAATTTGAAGAAATA 1980  
 Db 1943 TACTGTCTACTTATCTCACTTTGAGATCTGTTTGTCTGTAGTTAAATTTGAAGAAATA 2002  
 QY 1981 GGGCACTCTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2037  
 Db 2003 GGGCACTCTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 4

US-09-895-793-690  
 ; Sequence 690, Application US/09895793  
 ; Publication No. US20020192763A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yudi  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Retter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedvick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel X.  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Hepler, William T.  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Hural, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 APPLICANT: Vinals de Bassols, Carlota  
 APPLICANT: Foy, Teresa  
 APPLICANT: Fanger, Gary R.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.534C2

; CURRENT APPLICATION NUMBER: US/09/895,793  
 ; CURRENT FILING DATE: 2001-06-29  
 ; NUMBER OF SEQ ID NOS: 982  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-895-793-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;  
 Best Local Similarity 99.6%; Pred. No. 0;  
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 60  
 Db 23 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 82  
 QY 61 GAAGATCTGCATGTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG 120  
 Db 83 GAAGATCTGCATGTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG 142  
 QY 121 TGTTCATTAAGAACCAACAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCCTCAGT 180  
 Db 143 TGTTCATTAAGAACCAACAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCCTCAGT 202  
 QY 181 GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240  
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 QY 241 CTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300  
 Db 263 CTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322  
 QY 301 GCGCCACATCTGCTGAATGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATA 360  
 Db 323 GCGCCACATCTGCTGAATGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATA 382  
 QY 361 TAATGCTAAGTAGTACATGTTTGTGACATTTCCAGCCCTTTTAAATATCCACACACA 420  
 Db 383 TAATGCTAAGTAGTACATGTTTGTGACATTTCCAGCCCTTTTAAATATCCACACACA 442  
 QY 421 CAGGAAGCAAAAAAGGAAGCAAGAGATCCCTGGGAGAAATGCCCGCCGCACTTTGGG 480  
 Db 443 CAGGAAGCAAAAAAGGAAGCAAGAGATCCCTGGGAGAAATGCCCGCCGCACTTTGGG 502  
 QY 481 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540  
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 QY 541 AATTGATGTTTCTTAAAGATGGCAGGAGAAACAGATCCTGTTGTGGATATTTATTGG 600  
 Db 563 AATTGATGTTTCTTAAAGATGGCAGGAGAAACAGATCCTGTTGTGGATATTTATTGG 622  
 QY 601 AACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA 660  
 Db 623 AACGGGATTTACAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA 682  
 QY 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATGATGTGATG 720  
 Db 683 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATGATGTGATG 742  
 QY 721 ACATGAGGAGCAAGCTGGGAGGAGATTAACACAGGGGAGAGGGTCAAGGATTTCTGGCC 780  
 Db 743 ACATGAGGAGCAAGCTGGGAGGAGATTAACACAGGGGAGAGGGTCAAGGATTTCTGGCC 802  
 QY 781 CTGCTGCTTAAACTGTGCGTTCAATACCAAAATCATTTTCAATTTTCTAACCCCTCAAAACA 840  
 Db 803 CTGCTGCTTAAACTGTGCGTTCAATACCAAAATCATTTTCAATTTTCTAACCCCTCAAAACA 862  
 QY 841 AGCTGTTGTAATATCTGATCTCTAGGGTCTCTTCTGGGGCCCAACATTTCCATATATCCA 900  
 Db 863 AGCTGTTGTAATATCTGATCTCTAGGGTCTCTTCTGGGGCCCAACATTTCCATATATCCA 922

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 Db 923 GCACACTCAATTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTCTTACACTGTAG 982  
 QY 961 AATAACATTACTCAATTTTGTCAAGAGCCCTTGTGTCTGCTCCTTAATATAGTGTAGT 1020  
 Db 983 AATAACATTACTCAATTTTGTCAAGAGCCCTTGTGTCTGCTCCTTAATATAGTGTAGT 1042  
 QY 1021 GTTTTCTTAAGAGGTGTCTGCCCAGGGGATCTGTGAACAGGCTGGGAACATCTCAA 1080  
 Db 1043 GTTTTCTTAAGAGGTGTCTGCCCAGGGGATCTGTGAACAGGCTGGGAACATCTCAA 1102  
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 Db 1403 TAAATGCTTAGCTTGTAAGTGTGTATACAGCAGACGCTCTCCCATGCTCCCTCCAGC 1462  
 QY 1441 CTTATCTGTCATCACCATCAACCCCTCCCATNYSACTTAAACAAATCTAACTGTAAAT 1500  
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 QY 1501 CCTTGAACATGTCAGGACATACATTTCTCTGCTGAGAGCTCTTCTCTGCTCTTT 1560  
 Db 1523 CCTTGAACATGTCAGGACATACATTTCTCTGCTGAGAGCTCTTCTCTGCTCTTT 1582  
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 Db 1583 AANTCTAGAAATGATGTAAGTTTGAATGATGATCTTACTTCTATGCAAGAGGG 1642  
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 Db 1643 ACACATATGAGATTTCATCATCATGAGACAGCAATATCTAAAGTGTAAATTTGATTATA 1702  
 QY 1681 AGAGTTTATAGATAATATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGACAGTT 1740  
 Db 1703 AGAGTTTATAGATAATATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGACAGTT 1762  
 QY 1741 TGTAAAGCTGGGATGTGAAGAAAGCAGGGAACCTTCATAGTATCTTATATATATATCTT 1800  
 Db 1763 TGTAAAGCTGGGATGTGAAGAAAGCAGGGAACCTTCATAGTATCTTATATATATATCTT 1822  
 QY 1801 CATTTCTCTATCTCTATCAATATCAACAGCTTTTCCAGAAATTCATGAGTGCATAA 1860  
 Db 1823 CATTTCTCTATCTCTATCAATATCAACAGCTTTTCCAGAAATTCATGAGTGCATAA 1882  
 QY 1861 TCCCAAAGGTAACTTTATCCATTTTCAATGAGTGCCTTTAGAAATTTTGGCAATCA 1920  
 Db 1883 TCCCAAAGGTAACTTTATCCATTTTCAATGAGTGCCTTTAGAAATTTTGGCAATCA 1942  
 QY 1921 TACTGTCTATCTCTATCACTTTGAGATGTGTTTGTCTTGTAGTTTAAATGGAAGAAATA 1980  
 Db 1943 TACTGTCTATCTCTATCACTTTGAGATGTGTTTGTCTTGTAGTTTAAATGGAAGAAATA 2002

QY 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2037  
 Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2059  
 RESULT 5  
 US-09-895-814-690  
 ; Sequence 690, Application US/09895814  
 ; Publication No. US20020193296A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yudi  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
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 ; APPLICANT: Hural, John  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Houghton, Raymond L.  
 ; APPLICANT: Vinals de Bassols, Carlota  
 ; APPLICANT: Foy, Teresa  
 ; APPLICANT: Fanger, Gary R.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.427C26  
 ; CURRENT APPLICATION NUMBER: US/09/895,814  
 ; CURRENT FILING DATE: 2001-06-29  
 ; NUMBER OF SEQ ID NOS: 990  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 US-09-895-814-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;  
 Best Local Similarity 99.6%; Pred. No. 0;  
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGAGACCCAG 60  
 Db 23 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGAGACCCAG 82  
 QY 61 GAAGATCTGCATGTGTGGGAAGGACCTGATGATACAGAGGAATTACAAACATATATTAG 120  
 Db 83 GAAGATCTGCATGTGTGGGAAGGACCTGATGATACAGAGGAATTACAAACATATATTAG 142  
 QY 121 TGTTCATTAAGACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180  
 Db 143 TGTTCATTAAGACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202  
 QY 181 GACACAGGCTCGATCACCATCGAGGACCTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240  
 Db 203 GACACAGGCTCGATCACCATCGAGGACCTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262  
 QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGACATTTACCATCTGA 300  
 Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGACATTTACCATCTGA 322  
 QY 301 GGGCACATCTGCTGAATGAGATTAATTAACATCACTAGAAACAGCAAGATGACAAATA 360  
 Db 323 GGGCACATCTGCTGAATGAGATTAATTAACATCACTAGAAACAGCAAGATGACAAATA 382



QY 361 TAATGTCTAAGTAGTCACATGTTTTTGGCACATTTCCAGGCCCTTTAAATATCCACACACA 420  
 Db 383 TAATGTCTAAGTAGTCACATGTTTTTGGCACATTTCCAGGCCCTTTAAATATCCACACACA 442  
 QY 421 CAGGAAGCACAAAAGCAAGCACAGACATCCCTGGGAGAAATGCCGGCGCCCATCTTGGG 480  
 Db 443 CAGGAAGCACAAAAGCAAGCACAGACATCCCTGGGAGAAATGCCGGCGCCCATCTTGGG 502  
 QY 481 TCATCGATGAGCCTCCCGCTGTGCTGTGCTCCGCTGTGCTGGGAGGACATAGAAAATG 540  
 Db 503 TCATCGATGAGCCTCCCGCTGTGCTGTGCTCCGCTGTGCTGGGAGGACATAGAAAATG 562  
 QY 541 AATTGATGTGCTTTAAAGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 600  
 Db 563 AATTGATGTGCTTTAAAGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 622  
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 QY 721 ACATGAGGAGCAACAGCTGGGAGGAGATTAACCGGGGAGAGGCTCAGGATTTGGCC 780  
 Db 743 ACATGAGGAGCAACAGCTGGGAGGAGATTAACCGGGGAGAGGCTCAGGATTTGGCC 802  
 QY 781 CTGCTGCCCTAAACTGTCGCTTCAACCAAAATCATTTTCAATTTCTAAACCTCMAAACAA 840  
 Db 803 CTGCTGCCCTAAACTGTCGCTTCAACCAAAATCATTTTCAATTTCTAAACCTCMAAACAA 862  
 QY 841 AGCTGTGTGTAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCA 900  
 Db 863 AGCTGTGTGTAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCA 922  
 QY 901 GCCACACTCAATTTTAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960  
 Db 923 GCCACACTCAATTTTAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982  
 QY 961 AATAACATTACTCATTTTCTCAAGACCTTCGTTGCTGCTGCTAATATGATGCTGACT 1020  
 Db 983 AATAACATTACTCATTTTCTCAAGACCTTCGTTGCTGCTGCTAATATGATGCTGACT 1042  
 QY 1021 GTTTTTTCTAAGGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080  
 Db 1043 GTTTTTTCTAAGGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102  
 QY 1081 GATCTTTCCAGGGTTATATCTTACTAGCACAGCATGATCATTTACGAGTGAATATCTA 1140  
 Db 1103 GATCTTTCCAGGGTTATATCTTACTAGCACAGCATGATCATTTACGAGTGAATATCTA 1162  
 QY 1141 ATCAACATCATCTCAGTGTCTTTGCGCCATATCTGAATTTCAATTTCCACTTTTGGCCCA 1200  
 Db 1163 ATCAACATCATCTCAGTGTCTTTGCGCCATATCTGAATTTCAATTTCCACTTTTGGCCCA 1222  
 QY 1201 TTCTCAAGACCTCAAAATGCTATTCATTAATATACAGGATTAATTTTTTTTTTAACC 1260  
 Db 1223 TTCTCAAGACCTCAAAATGCTATTCATTAATATACAGGATTAATTTTTTTTTTAACC 1282  
 QY 1261 TGAAGAATTTCAATGTTACATGAGCTATGGGAATTAATTAATATTTGTTTCCAGT 1320  
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 QY 1321 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT 1380  
 Db 1343 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT 1402  
 QY 1381 TAAATGCTTAGCTGTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGC 1440  
 Db 1403 TAAATGCTTAGCTGTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGC 1462  
 QY 1441 CTTATCTGTCTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT 1500

Db 1463 CTTATCTGTCTATCACCATCAACCCCTCCCATACCACCTAAACAAAATCTAACTTGTAAAT 1522  
 QY 1501 CTTTGAACATGTCCAGNCATACATTTTCTTCTGCTCAGAGAGCTCTTCTCTTGTCTCTT 1560  
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 QY 1561 AANTCTAGAAATGATGTAAAGTTTGAATGAATGATCTCTTATCTTCTCATGCAAAAGAGG 1620  
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 QY 1621 ACACATATCAGATTTCTATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTTGATTATA 1680  
 Db 1643 ACACATATCAGATTTCTATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTTGATTATA 1702  
 QY 1681 AGAGTTTACATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCGACGTT 1740  
 Db 1703 AGAGTTTACATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCGACGTT 1762  
 QY 1741 TGTAAAGCTGGGATGTGAAGMAAAGCGAGGAACTCTCATAGTATCTTATATATATATCTT 1800  
 Db 1763 TGTAAAGCTGGGATGTGAAGMAAAGCGAGGAACTCTCATAGTATCTTATATATATATCTT 1822  
 QY 1801 CATTTCTCTATCTCTATCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCGAGTCAAA 1860  
 Db 1823 CATTTCTCTATCTCTATCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCGAGTCAAA 1882  
 QY 1861 TCCCAAGAGTAACTTTTATCCATTTTCATGAGTGGGCTTTTGAAGTTTGGCAATCA 1920  
 Db 1883 TCCCAAGAGTAACTTTTATCCATTTTCATGAGTGGGCTTTTGAAGTTTGGCAATCA 1942  
 QY 1921 TACTGGTCACTTATCTCAACTTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 1980  
 Db 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 2002  
 QY 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTCAAAAGA 2037  
 Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTCAAAAGA 2059

RESULT 6

US-10-012-896-690  
 ; Sequence 690, Application US/10012896  
 ; Publication No. US20020183251A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiaangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yugu  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Retter, Marc W.  
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 ; APPLICANT: Houghton, Raymond L.  
 ; APPLICANT: Vinals de Bassols, Carlota  
 ; APPLICANT: Foy, Teresa  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Watanabe, Yoshihiro  
 ; APPLICANT: Meagher, Madeleine Joy  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C27  
 ; CURRENT APPLICATION NUMBER: US/10/012,896

<p> ; CURRENT FILING DATE: 2001-12-10  ; NUMBER OF SEQ ID NOS: 1011  ; SOFTWARE: FastSeq for Windows Version 3.0  ; SEQ ID NO 690  ; LENGTH: 3923  ; TYPE: DNA  ; ORGANISM: Homo sapiens  US-10-012-896-690 </p>		<p> Query Match 80.0%; Score 1629; DB 13; Length 3923;  Best Local Similarity 99.6%; Pred. No. 0;  Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0; </p>	
QY	1	ACAAGCTGCGATCAGAAACAGAGGGAGATTGTGTGGCTGCGAGCGGAGGACACAG	60
DB	23	AGAACTGCGCATCAGAAACAGAGGGAGATTGTGTGGCTGCGAGCGGAGGACACAG	82
QY	61	GAAGATCTGCATGCTGGGAAGGACCTGATGATACAGAGGAATTACAACATATATCTTAG	120
DB	83	GAAGATCTGCATGCTGGGAAGGACCTGATGATACAGAGGAATTACAACATATATCTTAG	142
QY	121	TGTTTCATATGAACACCAAGATTAATTAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT	180
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QY	181	GACAGAGGCTGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACAGAGGCTGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAATGAGATTAATTAATCACTAGAAACAGCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAATGAGATTAATTAATCACTAGAAACAGCAAGATGACAATA	382
QY	361	TAATGCTTAAGTAGTACATGTTTGTGACATTTCCAGCCCTTTAAATATATCCACACA	420
DB	383	TAATGCTTAAGTAGTACATGTTTGTGACATTTCCAGCCCTTTAAATATATCCACACA	442
QY	421	CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTGGG	480
DB	443	CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTGGG	502
QY	481	TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
DB	503	TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	562
QY	541	TAATGATGCTTCTTAAAGGATGGCAGGAAACAGATCCTGTTGTGATATTTATTTG	600
DB	563	TAATGATGCTTCTTAAAGGATGGCAGGAAACAGATCCTGTTGTGATATTTATTTG	622
QY	601	AACGGGATTAAGATTTGAATGAACTCAAAAGTGAGCATTTACCAATGAGAGGAAACA	660
DB	623	AACGGGATTAAGATTTGAATGAACTCAAAAGTGAGCATTTACCAATGAGAGGAAACA	682
QY	661	GACGAGAAATCTTGATGCTTCAAGAATGCAAAACAAACAAATGGAATCTGTGATG	720
DB	683	GACGAGAAATCTTGATGCTTCAAGAATGCAAAACAAACAAATGGAATCTGTGATG	742
QY	721	ACATGAGGAGCAGCTGGGAGGAGATAACCCAGGGCAGAGGCTCAGGATTTCTGGCC	780
DB	743	ACATGAGGAGCAGCTGGGAGGAGATAACCCAGGGCAGAGGCTCAGGATTTCTGGCC	802
QY	781	CTGCTGCTTAACTGTGCTGCTTCAATACCAAAATCAATTTCTAAACCTCAAAACA	840
DB	803	CTGCTGCTTAACTGTGCTGCTTCAATACCAAAATCAATTTCTAAACCTCAAAACA	862
QY	841	AGCTGTTGTAATATCTGATCTCTACCGTTCTTCTGGGCGCCCAACATTTCCATATCCA	900
DB	863	AGCTGTTGTAATATCTGATCTCTACCGTTCTTCTGGGCGCCCAACATTTCCATATCCA	922

QY	901	GCCACACTCAATTTTAAATTAATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGAG	960
DB	923	GCCACACTCAATTTTAAATTAATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGAG	982
QY	961	AATAACATTACTCAATTTTAAATTAATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGAG	1020
DB	983	AATAACATTACTCAATTTTAAATTAATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGAG	1042
QY	1021	GTATTTTCTTAAGGAGTCTTGGCCAGGAGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTATTTTCTTAAGGAGTCTTGGCCAGGAGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCCAGGGTTATATCTTACTAGACACAGCATGATCAATACGAGTGAATTTATCTA	1140
DB	1103	GATCTTTCCAGGGTTATATCTTACTAGACACAGCATGATCAATACGAGTGAATTTATCTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTAATATCACAGGATTAATTTTAAAC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTAATATCACAGGATTAATTTTAAAC	1282
QY	1261	TGGAAGAAATTCATGTTTACATGACGCTATGGGAATTTAAATTAATTTTCCAGT	1320
DB	1283	TGGAAGAAATTCATGTTTACATGACGCTATGGGAATTTAAATTAATTTTCCAGT	1342
QY	1321	GAAAAGATGATTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTCCTCCAGTAAAGT	1380
DB	1343	GAAAAGATGATTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTCCTCCAGTAAAGT	1402
QY	1381	TAAATGCTTACGCTTGTACTGAGCTGTATACACAGACGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTACGCTTGTACTGAGCTGTATACACAGACGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCTATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT	1500
DB	1463	CTTATCTGTCTATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT	1522
QY	1501	CTTGAACATGTCAGGNCATATCAATTTCTCTGCTGAGAGCTCTCTCTGCTCTCTCT	1560
DB	1523	CTTGAACATGTCAGGNCATATCAATTTCTCTGCTGAGAGCTCTCTCTGCTCTCTCT	1582
QY	1561	TAATCTAGAAATGATTAAGTTTTCGAATTAAGTTGACTATCTTACTTCTATGAAAGAGG	1620
DB	1583	TAATCTAGAAATGATTAAGTTTTCGAATTAAGTTGACTATCTTACTTCTATGAAAGAGG	1642
QY	1621	ACACATATGAGATTTCAATCATCATGAGACAGCAAAATCTATAAAGTGAATTTGATATA	1680
DB	1643	ACACATATGAGATTTCAATCATCATGAGACAGCAAAATCTATAAAGTGAATTTGATATA	1702
QY	1681	AGAGTTTATGATTAATTAATGAAATGCAAGACCAAGAGGAGTGTATGAGGAGCAGT	1740
DB	1703	AGAGTTTATGATTAATTAATGAAATGCAAGACCAAGAGGAGTGTATGAGGAGCAGT	1762
QY	1741	TGTAAGCTTGGGATCTGAGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1800
DB	1763	TGTAAGCTTGGGATCTGAGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1822
QY	1801	CAATTTCTCTATCTATCAATATCAATATCAATATCAATATCAATATCAATATCAATAT	1860
DB	1823	CAATTTCTCTATCTATCAATATCAATATCAATATCAATATCAATATCAATATCAATAT	1882
QY	1861	TCCCAAGAGGTAACCTTTATTCATTTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT	1920
DB	1883	TCCCAAGAGGTAACCTTTATTCATTTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT	1942
QY	1921	TACTGCTCACTTATCTCACTTTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT	1980
DB	1943	TACTGCTCACTTATCTCACTTTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT	2002
QY	1981	GGGCACCTCTTGTGAGCCACTTTTAGGGTTTCACTCTCTGGCAATTAAGAAATTTTCAAGA	2037



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Db      2003  GGGCACTCTGTGAGCCTTTAGGGTTCACTCTGGCAATAAGAAATTTACAAAGA 2059
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RESULT 7
US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Womsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-316

Query Match      80.0%; Score 1629; DB 15; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy      1  AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGGCTGCGAGCCGAGGGAGACCAG 60
Db      23  AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGGCTGCGAGCCGAGGGAGACCAG 82
Qy      61  GAAGATCTGCATGGTGGGAGGACCTGTGATACAGAGGAATTAACAACATATACTTAG 120
Db      83  GAAGATCTGCATGGTGGGAGGACCTGTGATACAGAGGAATTAACAACATATACTTAG 142
Qy     121  TGTTCATTAAGAACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
Db     143  TGTTCATTAAGAACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202
Qy     181  GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
Db     203  GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
Qy     241  CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300
Db     263  CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322
Qy     301  GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 360
Db     323  GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 382
Qy     361  TAATGTCTAAGTAGTGACATGTTTTTGGCACTTTTCCAGCCCTTTTAAATATCCACACA 420
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Db      383  TAATGTCTAAGTAGTGACATGTTTTTGGCACTTTCCAGCCCTTTTAAATATCCACACA 442
Qy     421  CAGGAAGCAAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 480
Db     443  CAGGAAGCAAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 502
Qy     481  TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db     503  TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562
Qy     541  AATTGATGTGTTCTTAAAGGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 600
Db     563  AATTGATGTGTTCTTAAAGGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 622
Qy     601  AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACA 660
Db     623  AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACA 682
Qy     661  GACGAGAAAATCTTGATGGCTTCAAGAATGCAAGATGCAAAACAAATGGAATACTGTGATG 720
Db     683  GACGAGAAAATCTTGATGGCTTCAAGAATGCAAGATGCAAAACAAATGGAATACTGTGATG 742
Qy     721  ACATGAGGAGCAAGCTGGGGAGAGATAACCAAGGGGAGAGGATCTGAGGATTTCTGGCC 780
Db     743  ACATGAGGAGCAAGCTGGGGAGAGATAACCAAGGGGAGAGGATCTGAGGATTTCTGGCC 802
Qy     781  CTGCTGCCCTAAACTGTGCTGCTTCAAAACAAATCAATTTTCAATTTTCAATTTTCAATTT 840
Db     803  CTGCTGCCCTAAACTGTGCTGCTTCAAAACAAATCAATTTTCAATTTTCAATTTTCAATTT 862
Qy     841  AGCTGTGTGATATCTGATCTCTACGGTTCCTTGGGGCCCAACATTTCCCATATATCCA 900
Db     863  AGCTGTGTGATATCTGATCTCTACGGTTCCTTGGGGCCCAACATTTCCCATATATCCA 922
Qy     901  GCCACACTCAATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG 960
Db     923  GCCACACTCAATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG 982
Qy     961  AATAACATTTACTCAATTTTGTTCAAAAGACCTTTCGTGTTGCTGCTCAATATGTAGCTGACT 1020
Db     983  AATAACATTTACTCAATTTTGTTCAAAAGACCTTTCGTGTTGCTGCTCAATATGTAGCTGACT 1042
Qy    1021  GTTTTTCCTAAGGAGTGTTCGGCCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db    1043  GTTTTTCCTAAGGAGTGTTCGGCCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
Qy    1081  GATCTTTCAGGGTTATACCTTACTAGCACACAGCATGATCATTCGGAGTGAATATCTA 1140
Db    1103  GATCTTTCAGGGTTATACCTTACTAGCACACAGCATGATCATTCGGAGTGAATATCTA 1162
Qy    1141  ATCAACATCATCTCAGTGTCTTTGCCATACCTGAAATTTCAATTTCCACCTTTTGTGCCCA 1200
Db    1163  ATCAACATCATCTCAGTGTCTTTGCCATACCTGAAATTTCAATTTCCACCTTTTGTGCCCA 1222
Qy    1201  TTCTCAAGACCTTCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1260
Db    1223  TTCTCAAGACCTTCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1282
Qy    1261  TGAAGAATTTCAATGTTATACGACGTATGGGAATTTAATACATATTTTGTTCAGT 1320
Db    1283  TGAAGAATTTCAATGTTATACGACGTATGGGAATTTAATACATATTTTGTTCAGT 1342
Qy    1321  GCAAGAGATGACTTAAGTCTCTTTATCCCTCTTTTGTGATTTTTTTTCCAGTATAAAGT 1380
Db    1343  GCAAGAGATGACTTAAGTCTCTTTATCCCTCTTTTGTGATTTTTTTTCCAGTATAAAGT 1402
Qy    1381  TAAATGCTTACCTGCTGAGCTGTATACAGCAGACGCTCTCCCCATCCCTCCAGC 1440
Db    1403  TAAATGCTTACCTGCTGAGCTGTATACAGCAGACGCTCTCCCCATCCCTCCAGC 1462
Qy    1441  CTTATCTGTCAATCAACCAACCCCTCCCATNYSCCTTAAACAAATCTTAACTTGAATT 1500
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1463	DB	CTTATCTGTGCATGCACCATCAACCCCTCCCATACCACTAAACAATAATCTAACTTGTGAATT	1522
1501	QY	CCTTGAACATGTCAGNGCATACATRTTTCCTTCCTGCCTGAGAAGCTCTTCCTGTCTCTTT	1560
1523	DB	CCTTGAACATGTCAGGACATACATTAATTCCTTCTGCTCCTGAGAAGCTCTTCCTGTCTCTTT	1582
1561	QY	AANTCTAGAATGATGTAAGGTTTTTGAATTAAGTTTGACTATCTTACTTCATGCAAGAAGGG	1620
1583	DB	AAATCTAGAATGATGTAAGGTTTTTGAATTAAGTTGACTATCTTACTTCATGCAAGAAGGG	1642
1621	QY	ACACATATGAGATTCATCATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTTGATTAATA	1680
1643	DB	ACACATATGAGATTCATCATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTTGATTAATA	1702
1681	QY	AGAGTTTATGAGATAAATATATGAAATGCAAGAKCCAAGAGGGAATGTTTATGCGGCACGTT	1740
1703	DB	AGAGTTTATGAGATAAATATATGAAATGCAAGAGCCAAGAGGGAATGTTTATGCGGCACGTT	1762
1741	QY	TGTAAGCCTCGGATGTGAAGMAAAGGCAGGGAACCTCATAGTATCTTTATATAATATATCTTT	1800
1763	DB	TGTAAGCCTCGGATGTGAAGCAAAAGGCAGGGAACCTCATAGTATCTTTATATAATATATCTTT	1822
1801	QY	CATTTCTCTATCTATCACAATAATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA	1860
1823	DB	CAITTTCTCTATCTATCACAATAATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA	1882
1861	QY	TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGGCTTTTAGAATTTTGGCAATCA	1920
1883	DB	TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGGCTTTTAGAATTTTGGCAATCA	1942
1921	QY	TACTGGTCACTTATCTCAAATTTTCAGAGATGTGTTGTCTCTGTAGTAAATGAAAGAAATA	1980
1943	DB	TACTGGTCACTTATCTCAAATTTTCAGAGATGTGTTGTCTCTGTAGTAAATGAAAGAAATA	2002
1981	QY	GGGCACCTTTGTGAGCCACTTTTAGGTTTCACTCCTCGCAATAAAGAAATTTACAAAGA	2037
2003	DB	GGGCACCTTTGTGAGCCACTTTTAGGTTTCACTCCTCGCAATAAAGAAATTTACAAAGA	2059

RESULT 8  
US-10-144-678A-690  
; Sequence 690, Application US/10144678A  
; Publication No. US20030157089A1

GENERAL INFORMATION:

GENERAL INFORMATION:  
APPLICANT: XU, Jianshun

APPLICANT: XU, JIAN  
APPLICANT: DILLON

APPLICANT: DILLON, DAVID C.

**APPLICANT:** Mitcham, Jennifer L.

**APPLICANT:** Harlocker, Susan L.

**APPLICANT:** Jiang, Yuqiu

APPLICANT: Henderson, Robert A.

APPLICANT: Kalos, Michael D.

AFFILIANT: KALOS, MICHAEL D.  
 APPLICANT: Fanger Gary P

APPLICANT: Fanger, Gary R.  
APPLICANT: Patton, Monica W.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

**APPLICANT:** Day, Craig H.

APPLICANT: Vedvick, Thomas S.

**APPLICANT:** Carter, Darrick

APPLICANT: I.I. Samuel X.

LI, Samuel X.  
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 APPLICANT:

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APPLICANT: Skeiky, Yasir A. W.

APPLICANT: Heppler, William T.

**APPLICANT:** Hural, John

**APPLICANT: McNeill, Patricia D.**

APPLICANT: Houghton, Raymond L.

APPLICANT: Vinala y de Basso[va]

AFFILIANTI: VINCIS Y DE BARBOLS,  
FOR. Tereza M

APPLICANT: Foy, Teresa M.  
APPLICANT: Matczak, Yochihiko

APPLICANT: Watanabe, Yoshihiro

**APPLICANT: Deng, Ta**

**TITLE OF INVENTION: COMPOSITIONS**

**TITLE OF INVENTION: DIAGNOSIS C**

FILE REFERENCE: 210121.427C28

FILES REFERENCE: Z1011:427C20  
CURRENT APPLICATION NUMBER: US/1

CURRENT AFFILIATION NUMBER: 05/  
CURRENT FILING DATE: 2002-08-13

CURRENT FILING DATE: 2002-08-12

; NUMBER OF SEQ ID NOS: 1033									
; SOFTWARE: FastSeq for Windows Version 3.0									
; SEQ ID NO 690									
; LENGTH: 3923									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-10-144-678A-690									
Query Match 80.0%; Score 1629; DB 16; Length 3923;									
Best Local Similarity 99.6%; Pred. No. 0;									
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0									
QY	1	AGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG	60						
Db	23	AGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG	82						
QY	61	GAAGATCTGCATGGTGGGAAGGACTGATGATACAGAGGAATTACAAACATATACTTAG	120						
Db	83	GAAGATCTGCATGGTGGGAAGGACTGATGATACAGAGGAATTACAAACATATACTTAG	142						
QY	121	TGTTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCCTCAGT	180						
Db	143	TGTTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCCTCAGT	202						
QY	181	GACACAGGGCTGGATCACCATCGACGGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240						
Db	203	GACACAGGGCTGGATCACCATCGACGGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262						
QY	241	CTACAGACATCTCAATGCGACGGGTGAGAAATAGAAAGGCTCTGACTTTTACCATCTGA	300						
Db	263	CTACAGACATCTCAATGCGACGGGTGAGAAATAGAAAGGCTCTGACTTTTACCATCTGA	322						
QY	301	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACACGCAAGATGACAATA	360						
Db	323	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACACGCAAGATGACAATA	382						
QY	361	TAACTGCTAAGTGTGACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACA	420						
Db	383	TAACTGCTAAGTGTGACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACA	442						
QY	421	CAGGAGCACAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGG	480						
Db	443	CAGGAGCACAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGG	502						
QY	481	TCATCGATGAGCTCGCCCTCTGCTGGTCCGCTCTGTGAGGGAAAGGACATTAGAAATG	540						
Db	503	TCATCGATGAGCTCGCCCTCTGCTGGTCCGCTCTGTGAGGGAAAGGACATTAGAAATG	562						
QY	541	AATTGATGTGTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGATATTATTG	600						
Db	563	AATTGATGTGTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGATATTATTATTG	622						
QY	601	AACGGGATTAACAGATTGAAATGAAGTCAAAAGTGAACATTACCATGAGAGGAAACA	660						
Db	623	AACGGGATTAACAGATTGAAATGAAGTCAAAAGTGAACATTACCATGAGAGGAAACA	682						
QY	661	GACGAGAAAACTTCATGCGTTTCAAGACATGCAACAAATGGAATATCTGTGATG	720						
Db	683	GACGAGAAAACTTCATGCGTTTCAAGACATGCAACAAATGGAATATCTGTGATG	742						
QY	721	ACATGAGGCAGCACAAGCTGGGGAGAGATAACACCGGGCAGAGGGTCAAGATTTCTGGCC	780						
Db	743	ACATGAGGCAGCACAAGCTGGGGAGAGATAACACCGGGCAGAGGGTCAAGATTTCTGGCC	802						
QY	781	CTGCTGCCCTAAACTGTGGGTTTCATAACCAATCATTTTCATATCTTCAACCTCAAAACA	840						
Db	803	CTGCTGCCCTAAACTGTGGGTTTCATAACCAATCATTTTCATATCTTCAACCTCAAAACA	862						
QY	841	AGCTGTGTAAATATCTGATCTCAGGTTCCCTCTGGGCCCAACATTTCTCCATATATCCA	900						
Db	863	AGCTGTGTAAATATCTGATCTCAGGTTCCCTCTGGGCCCAACATTTCTCCATATATCCA	922						
QY	901	GCCACACTCATTTTAAATTAATTTAGTTTCCAGATCTGACTGTGACCTTTTACACTGTAG	960						

Db 923 GGCACACTCAATTTTAAATATTTAGTTCACAGATCTGACTGTGACCTTTCTACACTGTAG 982  
Qy 961 AATAAACAATTAATCTCAATTTGTTTCAAAGACCCCTTGGTGTGCTGCTAATATATGAGTGAAT 1020  
Db 983 AATAAACAATTAATCTCAATTTGTTTCAAAGACCCCTTGGTGTGCTGCTAATATATGAGTGAAT 1042  
Qy 1021 GTTTTTCCTAAGAGTGTCTGCGCCAGGGGATCTGTGAACAGCGCTGGGAAGCATCTCAA 1080  
Db 1043 GTTTTTCCTAAGAGTGTCTGCGCCAGGGGATCTGTGAACAGCGCTGGGAAGCATCTCAA 1102  
Qy 1081 GATCTTTCAGGGTATTAATCTTACATGACAGCATGATCAATTAACGAGTGAATTAATCTA 1140  
Db 1103 GATCTTTCAGGGTATTAATCTTACATGACAGCATGATCAATTAACGAGTGAATTAATCTA 1162  
Qy 1141 ATCAACATCAATCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCACATCTTTTGTGCCCA 1200  
Db 1163 ATCAACATCAATCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCACATCTTTTGTGCCCA 1222  
Qy 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATCAAGAGTAACTTTTTTTTTTAAC 1260  
Db 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATCAAGAGTAACTTTTTTTTTTAAC 1282  
Qy 1261 TCGAAGAAATCAATGTTTACATGAGCTATGGGAATTTAATTAATATTTTGTTCAGT 1320  
Db 1283 TCGAAGAAATCAATGTTTACATGAGCTATGGGAATTTAATTAATATTTTGTTCAGT 1342  
Qy 1321 GCAAAGATGACTAAGTCTTTATCTCCCTCCCTTTGTTGATTTTTCAGTATTAAGT 1380  
Db 1343 GCAAAGATGACTAAGTCTTTATCTCCCTCCCTTTGTTGATTTTTCAGTATTAAGT 1402  
Qy 1381 TAAATGCTTTAGCTTGTACTGAGGCTGTATACAGACAGCTCTCCCATCCCTCCAGC 1440  
Db 1403 TAAATGCTTTAGCTTGTACTGAGGCTGTATACAGACAGCTCTCCCATCCCTCCAGC 1462  
Qy 1441 CTTATCTGTATCAACCATCAACCTCCCATNYTSACTTAACAAATCTAACTTGTAAAT 1500  
Db 1463 CTTATCTGTATCAACCATCAACCTCCCATNYTSACTTAACAAATCTAACTTGTAAAT 1522  
Qy 1501 CCTTGAACATGTGAGNCAATCAATTTCTCTGCTGAGAGCTCTCTCTGCTCTT 1560  
Db 1523 CCTTGAACATGTGAGNCAATCAATTTCTCTGCTGAGAGCTCTCTCTGCTCTT 1582  
Qy 1561 AAWCTAGAAATGATTAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAAAGAGG 1620  
Db 1583 AAWCTAGAAATGATTAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAAAGAGG 1642  
Qy 1621 ACATATAGATTCATCATCATGAGACAGCAATCTTAAGTGAATTTGATTATA 1680  
Db 1643 ACATATAGATTCATCATCATGAGACAGCAATCTTAAGTGAATTTGATTATA 1702  
Qy 1681 AGAGTTTATGATTAATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCAAGTT 1740  
Db 1703 AGAGTTTATGATTAATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCAAGTT 1762  
Qy 1741 TGTAAAGCTGGGATGTAAGAAAGGCAAGGCACTCATAGTATCTTATATATATAT 1800  
Db 1763 TGTAAAGCTGGGATGTAAGAAAGGCAAGGCACTCATAGTATCTTATATATATAT 1822  
Qy 1801 CATTTCTCTATCTATCATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCATA 1860  
Db 1823 CATTTCTCTATCTATCATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCATA 1882  
Qy 1861 TCCCAAGAGTAACTTTATCCATTTATGTTGAGTGGCTTTTATGAAATTTTGGCAATCA 1920  
Db 1883 TCCCAAGAGTAACTTTATCCATTTATGTTGAGTGGCTTTTATGAAATTTTGGCAATCA 1942  
Qy 1921 TACTGTCTATCTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 1980  
Db 1943 TACTGTCTATCTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 2002  
Qy 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTGGCAATTAAGAAATTTACAAGA 2037

Db 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTCTGCAATAAAGAAATTTACAAGA 2059

RESULT 9  
US-10-294-025-690  
; Sequence 690, Application US/10294025  
; Publication No. US20030185830A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Stolk, John A.  
; APPLICANT: Kalos, Michael D.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.427C29  
; CURRENT APPLICATION NUMBER: US/10/294,025  
; NUMBER OF SEQ ID NOS: 1038  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-294-025-690

Query Match 80.0%; Score 1629; DB 16; Length 3923;  
Best Local Similarity 99.6%; Pred. No. 0;  
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGAAGCTGCTCATCAGAAAACAGAGGGGAGATTTGTGGCTGCGCCGCGGAGACCGAG 60  
Db 23 AGAAGCTGCTCATCAGAAAACAGAGGGGAGATTTGTGGCTGCGCCGCGGAGACCGAG 82  
Qy 61 GAAGATCTCATGTTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATCTTAG 120  
Db 83 GAAGATCTCATGTTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATCTTAG 142  
Qy 121 TGTTCATTAATGAACCAAGATATAAATGAAGTGAAGAGTACTCCGCTGTGAGTCTCTCAGT 180  
Db 143 TGTTCATTAATGAACCAAGATATAAATGAAGTGAAGAGTACTCCGCTGTGAGTCTCTCAGT 202  
Qy 181 GACACAGGCTCGATCACCATCGACGGCACTTTCTGAGTACTCTCAGTGCAGCAAGAAAGA 240  
Db 203 GACACAGGCTCGATCACCATCGACGGCACTTTCTGAGTACTCTCAGTGCAGCAAGAAAGA 262  
Qy 241 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300  
Db 263 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322  
Qy 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360  
Db 323 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382  
Qy 361 TAATGCTTAAGTGAATGACATGTTTTCACATTTCCAGCCCTTTTAAATATCCACACACA 420  
Db 383 TAATGCTTAAGTGAATGACATGTTTTCACATTTCCAGCCCTTTTAAATATCCACACACA 442  
Qy 421 CAGGAAGCAAAAAGCAAGCAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTTGGG 480  
Db 443 CAGGAAGCAAAAAGCAAGCAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTTGGG 502  
Qy 481 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540  
Db 503 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562  
Qy 541 AATTGATGTTCTTAAAGTGGCAGGAAACAGATCCCTGTTGTGATATTTATTTT 600  
Db 563 AATTGATGTTCTTAAAGTGGCAGGAAACAGATCCCTGTTGTGATATTTATTTT 622  
Qy 601 AACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGAAGTATTTACCAATGAGAGGAAACA 660  
Db 623 AACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGAAGTATTTACCAATGAGAGGAAACA 682  
Qy 661 GACGAGAAATCTTGTGCTTTCACAGACATGCAACAAACAAATGGAATACTGTGATG 720

Db 683 GACGAGAAATCTTGATGCTTTCACAGACATGCAACAAATGGAATACTGTGATG 742  
Qy 721 ACATGAGGAGCAAGCTGGGAGAGATGTAACACGCGGAGAGGCTGAGGATCTGGCC 780  
Db 743 ACATGAGGAGCAAGCTGGGAGAGATGTAACACGCGGAGAGGCTGAGGATCTGGCC 802  
Qy 781 CTGCTGCTTAACTGTCGCTTCAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACA 840  
Db 803 CTGCTGCTTAACTGTCGCTTCAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACA 862  
Qy 841 AGCTGTTGTAATCTGATCTCTACGGTTCCTTTCGGGCCCAACATTTCTCCATATATCCA 900  
Db 863 AGCTGTTGTAATCTGATCTCTACGGTTCCTTTCGGGCCCAACATTTCTCCATATATCCA 922  
Qy 901 GCCACATCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960  
Db 923 GCCACATCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982  
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Db 983 AATAACATTTACTCATTTTGTTCAAAGACCTTTCGTTGCTGCTGCTTAATATGTAGCTGACT 1042  
Qy 1021 GTTTTTCCTTAAGGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080  
Db 1043 GTTTTTCCTTAAGGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102  
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Db 1103 GATCTTTCAGGGTATATCTTACTAGACACAGCATGATCATTTAGCGAGTGAATATCTTA 1162  
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Qy 1261 TGAAGAATCAATGTATACGAGCTATGGAATTTAATACATATTTGTTTTCAGT 1320  
Db 1283 TGAAGAATCAATGTATACGAGCTATGGAATTTAATACATATTTGTTTTCAGT 1342  
Qy 1321 GCAAGATGACTAAGTCCCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1380  
Db 1343 GCAAGATGACTAAGTCCCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1402  
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Db 1463 CTTATCTGTATCATCATCAACCCCTCCCATNYSACCTTAAACAAATCTAACTGTGAAT 1522  
Qy 1501 CCTTGAACATGTCAGNATATATTTCTTCTGCTGAGAGCTCTTCTCTGCTCTCTT 1560  
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Db 1583 AANTCTAGAAATGATGTAAAGTTTGAATTAAGTTGACTATCTTACTTCATGCAAAAGAGG 1642  
Qy 1621 ACACATATGAGATTTGATCATCATGAGACAGCAAAATCTAAAGTGAATTTGATTATA 1680  
Db 1643 ACACATATGAGATTTGATCATCATGAGACAGCAAAATCTAAAGTGAATTTGATTATA 1702  
Qy 1681 AGAGTTTATGATTAATATATGAAATGCAACACACAGAGGGAATGTTTATGGGCACGTT 1740  
Db 1703 AGAGTTTATGATTAATATATGAAATGCAACACACAGAGGGAATGTTTATGGGCACGTT 1762  
Qy 1741 TGTAAAGCTTGGATGTGAAGMAAGGACGGGAACCTCATAGTATCTTATATATATACTT 1800

Db 1763 TGTAAAGCTTGGATGTGAAGCAAAAGCAGGGAACCTCATAGTATCTTATATATATACTT 1822  
Qy 1801 CATTTCTTATCTCTATCACATATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1860  
Db 1823 CATTTCTTATCTCTATCACATATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1882  
Qy 1861 TCCCAAAAGGTAAACCTTTTATCCATTTTCAATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1920  
Db 1883 TCCCAAAAGGTAAACCTTTTATCCATTTTCAATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1942  
Qy 1921 TACTGCTCACTTATCTCAACTTTGAGATGTGTTTCTTGTAGTAAATTTGAAAGAAATA 1980  
Db 1943 TACTGCTCACTTATCTCAACTTTGAGATGTGTTTCTTGTAGTAAATTTGAAAGAAATA 2002  
Qy 1981 GGGCACTCTTGTGAGCCACTTTAGGTTTCACTCTCTGGCAATTAAGAAATTTTACAAAGA 2037  
Db 2003 GGGCACTCTTGTGAGCCACTTTAGGTTTCACTCTCTGGCAATTAAGAAATTTTACAAAGA 2059

RESULT 10  
US-09-759-143-470/c  
; Sequence 470, Application US/09759143  
; Patent No. US200202248A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C23  
; CURRENT APPLICATION NUMBER: US/09/759,143  
; CURRENT FILING DATE: 2001-01-12  
; NUMBER OF SEQ ID NOS: 934  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 470  
; LENGTH: 2426  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-759-143-470

Query Match 56.7%; Score 1154; DB 9; Length 2426;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322  
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Qy 323 AGATAATTTAACTACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATGT 382  
Db 1709 AGATAATTTAACTACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATGT 1650  
Qy 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAAAAGGAAGCAC 442  
Db 1649 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAAAAGGAAGCAC 1590  
Qy 443 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTTCATGATGAGCTCGCCCTGT 502  
Db 1589 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTTCATGATGAGCTCGCCCTGT 1530

QY 503 GCCTGGTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATTGATGTGTTCTTAAAGGA 562  
 DB 1529 GCCTGGTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATTGATGTGTTCTTAAAGGA 1470  
 QY 563 TGGGAGGGAACAGATCTGTTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 622  
 DB 1469 TGGGAGGGAACAGATCTGTTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 1410  
 QY 623 GAAATCACAAGTGAGCAATTTACCAATGAGAGGAACACAGACGAGAAAAATCTTGTATGGCTT 682  
 DB 1409 GAAATCACAAGTGAGCAATTTACCAATGAGAGGAACACAGACGAGAAAAATCTTGTATGGCTT 1350  
 QY 683 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742  
 DB 1349 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290  
 QY 743 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTCGGGTC 802  
 DB 1289 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTCGGGTC 1230  
 QY 803 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTTGTAATATCTGATCTC 862  
 DB 1229 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTTGTAATATCTGATCTC 1170  
 QY 863 TAGGTTCTCTTGGGCCCCAACAATCTCCATATATCCAGCCCACTCATTTTAAATATTT 922  
 DB 1169 TAGGTTCTCTTGGGCCCCAACAATCTCCATATATCCAGCCCACTCATTTTAAATATTT 1110  
 QY 923 AGTTCCAGATCTGATCTGACCTTTCTACACTGTAGAAATACATTAATCTGTTGTC 982  
 DB 1109 AGTTCCAGATCTGATCTGACCTTTCTACACTGTAGAAATACATTAATCTGTTGTC 1050  
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 DB 1049 AAAGACCTCTGTTGTCCTTAATATGATGCTGACTGTTTCTCAAGGAGTGTCTG 990  
 QY 1043 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102  
 DB 989 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930  
 QY 1103 CTAGCACACAGATGATCATATTAGGAGTGAATTAATCTCAATCATCTCTCAGTGTCT 1162  
 DB 929 CTAGCACACAGATGATCATATTAGGAGTGAATTAATCTCAATCATCTCTCAGTGTCT 870  
 QY 1163 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1222  
 DB 869 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 810  
 QY 1223 TTCCATTAATATCAGAGGATTAATCTTTTAACTGGAAGAAATTCATGTTTACATG 1282  
 DB 809 TTCCATTAATATCAGAGGATTAATCTTTTAACTGGAAGAAATTCATGTTTACATG 750  
 QY 1283 CAGCTATGGGAATTAATTAATATTTGTTTCCAGTCAAGAGATGACTAGTCTCTTA 1342  
 DB 749 CAGCTATGGGAATTAATTAATATTTGTTTCCAGTCAAGAGATGACTAGTCTCTTA 690  
 QY 1343 TCCCTCCCTCTGTTGTTGTTTCTTCCAGTATAAAGTTAAATGCTTAGCCTTGTACTG 1402  
 DB 689 TCCCTCCCTCTGTTGTTGTTTCTTCCAGTATAAAGTTAAATGCTTAGCCTTGTACTG 630  
 QY 1403 AGGCTGTATACAGC 1416  
 DB 629 AGGCTGTATACAGC 616

RESULT 11

US-09-780-669-470/c  
 ; Sequence 470, Application US/09780669  
 ; Patent No. US20020051977A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yuqui  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Retter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedvick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Hepler, William  
 APPLICANT: Hural, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.427C24  
 CURRENT APPLICATION NUMBER: US/09/780,669  
 CURRENT FILING DATE: 2001-02-09  
 NUMBER OF SEQ ID NOS: 943  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 470  
 LENGTH: 2426  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-780-669-470

Query Match 56.7%; Score 1154; DB 9; Length 2426;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 263 GGTGAGAAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 322  
 DB 1769 GGTGAGAAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 1710  
 QY 323 AGATAATTAACATCACTAGAAAACAGACATCAATAATAATGCTTAAGTAGTGACATCT 382  
 DB 1709 AGATAATTAACATCACTAGAAAACAGACATCAATAATAATGCTTAAGTAGTGACATCT 1650  
 QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAAGCAC 442  
 DB 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAAGCAC 1590  
 QY 443 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 502  
 DB 1589 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 1530  
 QY 503 GCCTGGTCCGCTTCTGAGGGAAGGACATTAGAAAATGAATTTGATGTGTTCTTAAAGGA 562  
 DB 1529 GCCTGGTCCGCTTCTGAGGGAAGGACATTAGAAAATGAATTTGATGTGTTCTTAAAGGA 1470  
 QY 563 TGGGAGGGAACACAGATCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTGGAAT 622  
 DB 1469 TGGGAGGGAACACAGATCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTGGAAT 1410  
 QY 623 GAAATCACAAGTGAGCAATTTACCAATGAGAGGAACACAGACGAGAAAAATCTTGTATGGCTT 682  
 DB 1409 GAAATCACAAGTGAGCAATTTACCAATGAGAGGAACACAGACGAGAAAAATCTTGTATGGCTT 1350  
 QY 683 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742  
 DB 1349 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290  
 QY 743 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTCGGGTC 802  
 DB 1289 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTCGGGTC 1230  
 QY 803 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTTGTAATATCTGATCTC 862

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Db 1229 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1170
Qy 863 TAGGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTT 922
Db 1169 TAGGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTT 1110
Qy 923 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTACTCATTTTGTTC 982
Db 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTACTCATTTTGTTC 1050
Qy 983 AAAGACCTTTCGTTGTCCTTAATATATGATGACTGTCTTTTTTCTTAAGGAGTGTCTG 1042
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Qy 1043 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTTTA 1102
Db 989 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTTTA 930
Qy 1103 CTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 1162
Db 929 CTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 870
Qy 1163 TTGCCCATCTGAAATTTCAATTTCCCATTTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1222
Db 869 TTGCCCATCTGAAATTTCAATTTCCCATTTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 810
Qy 1223 TTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTGTTTAACTGTTTACATG 1282
Db 809 TTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTGTTTAACTGTTTACATG 750
Qy 1283 CAGCTATGGGAATTTAAATTTACATATTTTCTGTTTCCAGTGCAAGATGACTAAGTCTCTTA 1342
Db 749 CAGCTATGGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTCTTA 690
Qy 1343 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAGTTTAAATGCTTAGCCTTGTACTG 1402
Db 689 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAGTTTAAATGCTTAGCCTTGTACTG 630
Qy 1403 AGGCTGTATACAGC 1416
Db 629 AGGCTGTATACAGC 616
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## RESULT 12

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US-09-822-827-470/c
; Sequence 470, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-470
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Query Match 56.7%; Score 1154; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 263 GTTGAGAAATAGAAGGCTGTGACTTTTACCATCTGAGCCACACATCTGCTGAAATGG 322
Db 1769 GTTGAGAAATAGAAGGCTGTGACTTTTACCATCTGAGCCACACATCTGCTGAAATGG 1710
Qy 323 AGATATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATCT 382
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Qy 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGACAC 442
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Qy 503 GCCTGGTCCGCTGTGAGGGAAGGACATTTAGAAATGAAATTTGATGTTGTTCTTAAAGGA 562
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Qy 863 TAGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTT 922
Db 1169 TAGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATATTT 1110
Qy 923 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTACTCATTTTGTTC 982
Db 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTACTCATTTTGTTC 1050
Qy 983 AAAGACCTTTCGTTGTCCTTAATATGATGACTGTGTTTCTTAAGGAGTGTCTG 1042
Db 1049 AAAGACCTTTCGTTGTCCTTAATATGATGACTGTGTTTCTTAAGGAGTGTCTG 990
Qy 1043 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTACTTTA 1102
Db 989 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTACTTTA 930
Qy 1103 CTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 1162
Db 929 CTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 870
Qy 1163 TTGCCCATCTGAAATTTCAATTTCCCATTTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1222
Db 869 TTGCCCATCTGAAATTTCAATTTCCCATTTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 810
Qy 1223 TTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTGTTTAACTGTTTACATG 1282
Db 809 TTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTGTTTAACTGTTTACATG 750
Qy 1283 CAGCTATGGGAATTTAAATTTACATATTTTCTGTTTCCAGTGCAAGATGACTAAGTCTCTTA 1342
Db 749 CAGCTATGGGAATTTAAATTTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTCTTA 690
Qy 1343 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAGTTTAAATGCTTAGCCTTGTACTG 1402
Db 689 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAGTTTAAATGCTTAGCCTTGTACTG 630
Qy 1403 AGGCTGTATACAGC 1416
Db 629 AGGCTGTATACAGC 616
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RESULT 14  
US-09-895-814-470/c  
; Sequence 470, Application US/09895814  
; Publication No. US20020193296A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel X.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William T.

```

; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-470

Query Match
Best Local Similarity 56.7%; Score 1154; DB 9; Length 2426;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
DB 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACAATATAATGCTCTAAAGTAGTGACATG 382
DB 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACAATATAATGCTCTAAAGTAGTGACATG 1650
QY 383 TTTTGCACATTTCCAGCCCTTTAATATCCACACACACAGCAAGCAAAAAGGAGCAC 442
DB 1649 TTTTGCACATTTCCAGCCCTTTAATATCCACACACACAGCAAGCAAAAAGGAGCAC 1590
QY 443 AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTTCATCGATGAGCCCTCGCCCTGT 502
DB 1589 AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTTCATCGATGAGCCCTCGCCCTGT 1530
QY 503 GCCTGGTCCCGTTGTGAGGGAAGGACATTAAGAAATGAATGATGTTCTTTAAAGGA 562
DB 1529 GCCTGGTCCCGTTGTGAGGGAAGGACATTAAGAAATGAATGATGTTCTTTAAAGGA 1470
QY 563 TGGGAGGAAACACATCTGTTGTGGATATTTTTCGACGGGATACAGATTTGAAT 622
DB 1469 TGGGAGGAAACACATCTGTTGTGGATATTTTTCGACGGGATACAGATTTGAAT 1410
QY 623 GAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTTGATGGCTT 682
DB 1409 GAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTTGATGGCTT 1350
QY 683 CACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGCGCAGCCAAAGCTGGG 742
DB 1349 CACAAGACATGCAACAAACAAATGGAATATCTGTATGACATGAGCGCAGCCAAAGCTGGG 1290
QY 743 AGGAGATACCAAGGCGGAGAGGCTGAGATTTCTGGCCCTGCTGCTAACTGTGCGGTTTC 802
DB 1289 AGGAGATACCAAGGCGGAGAGGCTGAGATTTCTGGCCCTGCTGCTAACTGTGCGGTTTC 1230
QY 803 ATAAACCAATCATTTTCAATATTTCAACCTCAAAACAAAGCTGTTGTAATATCTCATCTC 862
DB 1229 ATAAACCAATCATTTTCAATATTTCAACCTCAAAACAAAGCTGTTGTAATATCTCATCTC 1170
QY 863 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAATTT 922
DB 1169 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAATTT 1110
QY 923 AGTTCCAGATCTGATGAGCTTTCTTACACTGTAGATAACATTAATCTATTTTGTTC 982
DB 1109 AGTTCCAGATCTGATGAGCTTTCTTACACTGTAGATAACATTAATCTATTTTGTTC 1050
QY 983 AAAGACCCCTTCGTGTTGCTGCTTAATATATGATGACTGACTGTTTTCCTAAGGAGTGTCTG 1042

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RESULT 15
US-10-012-896-470/c
; Sequence 470, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-470

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DB 1049 AAAGACCCCTTCGTGTTGCTGCTTAATATGATGACTGACTGTTTCTCTAAGGAGTGTCTG 990
QY 1043 GCCCAGGGGATCTGFGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCTTA 1102
DB 989 GCCCAGGGGATCTGFGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCTTA 930
QY 1103 CTAGCACACAGCATGATCATTTACGAGTGAATATCTAATCAACATCATCTCCTCAGTGTCT 1162
DB 929 CTAGCACACAGCATGATCATTTACGAGTGAATATCTAATCAACATCATCTCCTCAGTGTCT 870
QY 1163 TTGCCCATACTCAAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1222
DB 869 TTGCCCATACTCAAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 810
QY 1223 TTCCATTAATATCAAGATTAACCTTTTAACTGGAAGATTTCAATGTTTACATG 1282
DB 809 TTCCATTAATATCAAGATTAACCTTTTAACTGGAAGATTTCAATGTTTACATG 750
QY 1283 CAGCTATCGGAATTAATTAATATATTTTCCAGTGCAAGATGACTAAGTCTCTTA 1342
DB 749 CAGCTATCGGAATTAATTAATATATTTTCCAGTGCAAGATGACTAAGTCTCTTA 690
QY 1343 TCCCTCCCTCTTGTGTTGATTTTTCAGTATATAAGTTAAATGCTTTAGCCTTGTACTG 1402
DB 689 TCCCTCCCTCTTGTGTTGATTTTTCAGTATATAAGTTAAATGCTTTAGCCTTGTACTG 630
QY 1403 AGGCTGTATACAGC 1416
DB 629 AGGCTGTATACAGC 616

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Query Match		56.7%;	Score 1154;	DB 13;	Length 2426;
Best Local Similarity		100.0%;	Pred. No. 0;		
Matches 1154;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	263	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322		
DB	1769	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710		
QY	323	AGATAATTAAACATCACTAGAAAACAGCAAGATGACATATAATCTCTAAGTAGTGACATGT	382		
DB	1709	AGATAATTAAACATCACTAGAAAACAGCAAGATGACATATAATCTCTAAGTAGTGACATGT	1650		
QY	383	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGGAAGCAC	442		
DB	1649	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGGAAGCAC	1590		
QY	443	AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTCAATCGATGAGCCTGCCCTGT	502		
DB	1589	AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTCAATCGATGAGCCTGCCCTGT	1530		
QY	503	GCCGTGTCCTGCTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTTTAAAGGA	562		
DB	1529	GCCGTGTCCTGCTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTGTTTAAAGGA	1470		
QY	563	TGGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTCAGATTTTGAAT	622		
DB	1469	TGGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTCAGATTTTGAAT	1410		
QY	623	GAAGTCACAAAGTGACATTTACCAATGAGAGGAAACACAGCAGGAAATCTTGATGGCTT	682		
DB	1409	GAAGTCACAAAGTGACATTTACCAATGAGAGGAAACACAGCAGGAAATCTTGATGGCTT	1350		
QY	683	CACAACACATGCAACAAACAAATGGAATACTGTGATGACATGAGCAGCAAGCTGGGG	742		
DB	1349	CACAACACATGCAACAAACAAATGGAATACTGTGATGACATGAGCAGCAAGCTGGGG	1290		
QY	743	AGGAGATAACCAAGGGGACAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGGCTTC	802		
DB	1289	AGGAGATAACCAAGGGGACAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGGCTTC	1230		
QY	803	ATAACCAAAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAATATCTGATCTC	862		
DB	1229	ATAACCAAAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAATATCTGATCTC	1170		
QY	863	TACGGTTCTCTTGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAATATT	922		
DB	1169	TACGGTTCTCTTGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAATATT	1110		
QY	923	AGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATAACATTAATTTTGTTC	982		
DB	1109	AGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATAACATTAATTTTGTTC	1050		
QY	983	AAAGACCTTCTGTTGCTGCCTTAATATGTAGCTGACTGTTTCTTAAGGAGTGTCTG	1042		
DB	1049	AAAGACCTTCTGTTGCTGCCTTAATATGTAGCTGACTGTTTCTTAAGGAGTGTCTG	990		
QY	1043	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	1102		
DB	989	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	930		
QY	1103	CTAGCACACAGCATGATCAATAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	1162		
DB	929	CTAGCACACAGCATGATCAATAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	870		
QY	1163	TTGCCCATATCTGAATTCATTTTCCCATCTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222		
DB	869	TTGCCCATATCTGAATTCATTTTCCCATCTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810		
QY	1223	TTCCATTAATATACAGGATTAACCTTTTAACTGGGAAGATTCATGTTTACATG	1282		
DB	809	TTCCATTAATATACAGGATTAACCTTTTAACTGGGAAGATTCATGTTTACATG	750		

QY	1283	CAGCTATGGGAATTTAAATTACATATTTTGTTCAGTGCAAAAGATGACTAAGTCCTTTTA	1342
DB	749	CAGCTATGGGAATTTAAATTACATATTTTGTTCAGTGCAAAAGATGACTAAGTCCTTTTA	690
QY	1343	TCCCTCCCCCTTTGTTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACTG	1402
DB	689	TCCCTCCCCCTTTGTTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACTG	630
QY	1403	AGGCTGTATACAGC	1416
DB	629	AGGCTGTATACAGC	616

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 12:06:32 ; Search time 325.979 Seconds  
(without alignments)  
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Title: US-09-402-713A-1

Perfect score: 2037

Sequence: 1 agaagctggcatcagaaaaa.....caataaagaattacaaga 2037

Scoring table: OLIGO\_NUC

Gapop\_60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.\*

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- 2: /cgn2\_6/prodata/1/ina/5B COMB.seq.\*
- 3: /cgn2\_6/prodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/prodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/prodata/1/ina/6C COMB.seq.\*
- 6: /cgn2\_6/prodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1629	80.0	3923	4	US-09-636-215-690
2	1629	80.0	3923	4	US-09-685-166A-690
3	1629	80.0	3923	4	US-09-679-426-690
4	1629	80.0	3923	4	US-09-759-143-690
5	1629	80.0	3923	4	US-09-651-236-690
C 6	1154	56.7	2426	3	US-09-439-313-470
C 7	1154	56.7	2426	3	US-09-352-616A-470
C 8	1154	56.7	2426	4	US-09-636-215-470
C 9	1154	56.7	2426	4	US-09-685-166A-470
C 10	1154	56.7	2426	4	US-09-679-426-470
C 11	1154	56.7	2426	4	US-09-759-143-470
C 12	1154	56.7	2426	4	US-09-651-236-470
C 13	1154	56.7	3112	3	US-09-439-313-468
C 14	1154	56.7	3112	3	US-09-352-616A-468
C 15	1154	56.7	3112	4	US-09-636-215-468
C 16	1154	56.7	3112	4	US-09-685-166A-468
C 17	1154	56.7	3112	4	US-09-679-426-468
C 18	1154	56.7	3112	4	US-09-759-143-468
C 19	1154	56.7	3112	4	US-09-651-236-468
C 20	1033	50.7	2229	3	US-09-439-313-469
C 21	1033	50.7	2229	3	US-09-352-616A-469
C 22	1033	50.7	2229	3	US-09-636-215-469
C 23	1033	50.7	2229	4	US-09-685-166A-469
C 24	1033	50.7	2229	4	US-09-679-426-469
C 25	1033	50.7	2229	4	US-09-759-143-469
C 26	1033	50.7	2229	4	US-09-651-236-469
C 27	720	35.3	812	3	US-09-439-313-471

#### ALIGNMENTS

##### RESULT 1

US-09-636-215-690  
; Sequence 690, Application US/09636215  
; Patent No. 6620922  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqi  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.42717C17  
; CURRENT APPLICATION NUMBER: US/09/636,215  
; CURRENT FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 852  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690  
; LENGTH: 3923  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-636-215-690

Query Match 80.0%; Score 1629; DB 4; Length 3923;  
Best Local Similarity 99.6%; Pred. No. 0;  
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY	1	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACAG	60
DB	23	AGAACTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACAG	82
QY	61	GAAGATCTGCTGTTGGGAAGCACTGATGATACAGAGGAATATCAACATATCTTAG	120
DB	83	GAAGATCTGCTGTTGGGAAGCACTGATGATACAGAGGAATATCAACATATCTTAG	142
QY	121	TGTTTTCAATGAACACCAAGATTAATGAGAGCTAGTCGCTGAGTCTCTCTCAGT	180
DB	143	TGTTTTCAATGAACACCAAGATTAATGAGAGCTAGTCGCTGAGTCTCTCTCAGT	202

QY	181	GACACAGGGCTGGATCACCATCGACGGC	ACTTCTTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGGCTGGATCACCATCGACGGCA	CTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAA	TAAGAAAGGCTGCTGATTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAA	TAAGAAAGGCTGCTGATTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGAGAGATAA	TTAAATCAATCATTAGAAACCAAGATGACA	360
DB	323	GGCCACACATCTGCTGAAATGAGAGATAA	TTAAATCAATCATTAGAAACCAAGATGACA	382
QY	361	TAATGTCTAAGTAGTGACATGTTTTTGCA	CATATTTCCAGCCCTTTAAATATCCACACA	420
DB	383	TAATGTCTAAGTAGTGACATGTTTTTGCA	CATATTTCCAGCCCTTTAAATATCCACACA	442
QY	421	CAGGAGCACAAGAGNAGCAGAGAGTCCCT	GGGAGAAATGCCGCGCCCATCTTGGG	480
DB	443	CAGGAGCACAAGAGNAGCAGAGAGTCCCT	GGGAGAAATGCCGCGCCCATCTTGGG	502
QY	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCC	CGCTTGTGAGGGAAGGACATTAGAAAATG	540
DB	503	TCATCGATGAGCCTCGCCCTGTGCTGGTCC	CGCTTGTGAGGGAAGGACATTAGAAAATG	562
QY	541	AATTGATGTGTTCTTTAAAGGATGGGCAG	GAAGAAACAGATCCTGTTGFGAATAATTT	600
DB	563	AATTGATGTGTTCTTTAAAGGATGGGCAG	GAAGAAACAGATCCTGTTGFGAATAATTT	622
QY	601	AACGGGATTCAGATTTGAAATGAAGTCA	CAAAAGTGAGCAATACCATGAGGGAACA	660
DB	623	AACGGGATTCAGATTTGAAATGAAGTCA	CAAAAGTGAGCAATACCATGAGGGAACA	682
QY	661	GACGAGAAAATCTTTGATGGCTTACAA	GACATGCACAAACAAATGGAATCTGTGATG	720
DB	683	GACGAGAAAATCTTTGATGGCTTACAA	GACATGCACAAACAAATGGAATCTGTGATG	742
QY	721	ACATGAGGCAGCAAGCTGGGGAGGAGATA	ACACAGGGGACAGAGGTCAGGATTCGGCC	780
DB	743	ACATGAGGCAGCAAGCTGGGGAGGAGATA	ACACAGGGGACAGAGGTCAGGATTCGGCC	802
QY	781	CTGCTGCTTAAACTGTGCGTTTCAACCA	AAATCATATTTCTAAACCTCAAAACAA	840
DB	803	CTGCTGCTTAAACTGTGCGTTTCAACCA	AAATCATATTTCTAAACCTCAAAACAA	862
QY	841	AGCTGTTGTAATATCTGATCTACGGTTC	CTTCTGGGCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTTGTAATATCTGATCTACGGTTC	CTTCTGGGCCCAACATTTCTCCATATATCCA	922
QY	901	GCACACTCAATTTTAATATTTAGTTCC	AGATCTGTGACCTTTCTACACTGTAG	960
DB	923	GCACACTCAATTTTAATATTTAGTTCC	AGATCTGTGACCTTTCTACACTGTAG	982
QY	961	AATAACATTTACTCATTTTGTTCAAAG	ACCCTTCTGTTGCTGCTTAATATGTAGTCACT	1020
DB	983	AATAACATTTACTCATTTTGTTCAAAG	ACCCTTCTGTTGCTGCTTAATATGTAGTCACT	1042
QY	1021	GTTTTTCTTAAGGAGTGTTCTGGCCCA	GAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTTTTCTTAAGGAGTGTTCTGGCCCA	GAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCCAGGGTTATACCTTATAG	CACACAGCATGATCATTTACGAGATGAATTA	1140
DB	1103	GATCTTTCCAGGGTTATACCTTATAG	CACACAGCATGATCATTTACGAGATGAATTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTG	CCCATACTGAAATTCATTTCCCACTTTTGTG	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTG	CCCATACTGAAATTCATTTCCCACTTTTGTG	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTC	CAATTAATATCACAGGATTAACCTTTTTTTT	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTC	CAATTAATATCACAGGATTAACCTTTTTTTT	1282

## RESULT 2

US-09-685-166A-690

US-09-683-166A-690  
: Sequence 690, Application US/09685166A

: Patent No. 6630305

FACEID NO: 0030303  
: GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

**APPLICANT:** Jiang, Yuqi

APPLICANT: Henderson, Robert A.

APPLICANT: Kalos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel

```

; APPLICANT: L1, Samuel
. APPLICANT: Wang, Lijun

```

APPLICANT: wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.		803		CTGCTGCCATAACTGTGCGTTCATTAACCAATCATTTTCATATTTCTAACCCCTCAAAACAA	862
; APPLICANT: Hepler, William		QY		AGCTGTGTAATATCTGATCTCTAGGGTTCTTCTGGGCCCAACATTTCTCCATATATCA	900
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND		Db		AGCTGTGTAATATCTGATCTCTAGGGTTCTTCTGGGCCCAACATTTCTCCATATATCA	922
; FILE REFERENCE: 210121.427C21		QY		GCACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	960
; CURRENT APPLICATION NUMBER: US/09/685,166A		Db		GCACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	982
; CURRENT FILING DATE: 2000-10-10		QY		AATAACATTTACTCATTTTGTTCAAAAGACCTTTCGTTGCTGCTCCTAATATGTAGCTGACT	1020
; NUMBER OF SEQ ID NOS: 998		Db		AATAACATTTACTCATTTTGTTCAAAAGACCTTTCGTTGCTGCTCCTAATATGTAGCTGACT	1042
; SOFTWARE: FastSeq for Windows Version 3.0		QY		GTTCCTTAAGGAGTGTTCGGCCCGAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
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; LENGTH: 3923		QY		GATCTTTCAGGGTTATCTTACTTAGCACAACAGCATGATCATTCGGAGTGAATATCTTA	1140
; TYPE: DNA		Db		GATCTTTCAGGGTTATCTTACTTAGCACAACAGCATGATCATTCGGAGTGAATATCTTA	1162
; ORGANISM: Homo sapien		QY		ATCAACATCATCTCAGTGTCTTTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200
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QY 361 TAATGCTAAGTAGTGACATGTTTTTTCACATTTCCAGCCCTTTTAAATATCCACACA 420		Db		ACACATATGAGATTTCATCATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATA	1702
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Db 623 AACGGGATTAAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAA 682					
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QY 781 CTGCTGCCATAACTGTGCGTTCATACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAA 840		Db	1883		

QY 1921 TACTGTCACCTTAMCTCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATA 1980  
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1943 TACTGTCACCTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATA 2002  
QY 1981 GGGCACTCTTGTGAGCACTTTAGGTTTCACTTCTGGCAATAAAGAAATTTACAAGA 2037  
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2003 GGGCACTCTTGTGAGCACTTTAGGTTTCACTTCTGGCAATAAAGAAATTTACAAGA 2059

## RESULT 3

US-09-679-426-690  
; Sequence 690, Application US/09679426  
; Patent No. 6759515

; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.  
; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.  
; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.  
; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.  
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel  
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C20  
; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 690

; LENGTH: 3923  
; TYPE: DNA

; ORGANISM: Homo sapien  
US-09-679-426-690

Query Match 80.0%; Score 1629; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCCGAGGGAGACCAG 60

Db 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCCGAGGGAGACCAG 82

QY 61 GAAGATCTGCATGTTGGGAGGACCTGTATGATACAGAGGAATTAACAACATATACTTAG 120

Db 83 GAAGATCTGCATGTTGGGAGGACCTGTATGATACAGAGGAATTAACAACATATACTTAG 142

QY 121 TGTTCATTAAGAACCAAGATAAATAAGTGAAGAGCTAGTCGCTGTGAGTCTCCTCAGT 180

Db 143 TGTTCATTAAGAACCAAGATAAATAAGTGAAGAGCTAGTCGCTGTGAGTCTCCTCAGT 202

QY 181 GACACAGGCTCGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240

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443 CAGGAAGCACAAAAGGACACAGATCCCTGGGAGAAATCCCGCGGCCCATCTTGGG 502  
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503 TCATCGATGAGCTCGCCCTGTGCTGTGCTTGTGAGGGAAGGACATTTAGAAAATG 562  
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Db |||||  
563 AATTGATGTTCTTTAAAGGATGGCGAGGAAAAAGATCTGTGTTGTGATATTTATTTG 622  
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623 AACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA 682  
QY 661 GACGAGAAAAATCTTGATGGCTTCAAGACATGCAACAAAACAAAATGGAATACTGTGATG 720  
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683 GACGAGAAAAATCTTGATGGCTTCAAGACATGCAACAAAACAAAATGGAATACTGTGATG 742  
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743 ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCC 802  
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803 CTGCTGCTTAAACTGTGGTTTCAATACCAATCATTTTATTTCTTAACCCCTCAAAACAA 862  
QY 841 AGCTGTGTATATCTGATCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA 900  
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863 AGCTGTGTATATCTGATCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA 922  
QY 901 GCCACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG 960  
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923 GCCACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG 982  
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Db |||||  
983 AATAACATTAATTTGTTTCAAGAGCCCTTGTGCTGCTGCTTAATATGAGTACTGACT 1042  
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1043 GTTTTTTCTAAGGAGTGTCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102  
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1103 GATCTTTCCAGGGTTTACTTTACTAGCACACAGCATGATCAATTACGGAGTGAATTTACTA 1162  
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QY 1261 TGAAGAAATTTCAATGTTTACATGACATGAGGAAATTTAATTAATATTTTGTTCAGT 1320  
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1403 TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAG 1462  
QY 1441 CTTATCTGTGATCACCCTCAACCCCTCCCATNYACCTAAACAAAATCTTAATTTGTAAT 1500

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1703 Db AGAGTTTACATAAATATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGCAAGTT 1762
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1943 Db TACTGTCTACTTATCTCAACTTTTGAATGATGTTTGTCTTGTAGTTAAATGAAGAAATA 2002
1981 QY GGGCACTTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTCAAGA 2037
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RESULT 4

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US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien

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US-09-759-143-690
Query Match      80.0%; Score 1629; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGGAGACCAAG 60
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 1981 GGGCACTCTTGTAGCCACTTTAGGTTTCACTCTTGGCAATTAAGAAATTTACAAAGA 2037  
 2003 GGGCACTCTTGTAGCCACTTTAGGTTTCACTCTTGGCAATTAAGAAATTTACAAAGA 2059

RESULT 5

US-09-651-236-690

; Sequence 690, Application US/09651236

; Patent No. 6818751  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqi  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.4271818  
 ; CURRENT APPLICATION NUMBER: US/09/651,236  
 ; CURRENT FILING DATE: 2000-08-29  
 ; NUMBER OF SEQ ID NOS: 865  
 ; SOFTWARE: PastSeq for Windows Version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 3923  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-651-236-690

Query Match 80.0%; Score 1629; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 2029; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCTACAGAAAAACAGAGGGAGATTTGTGGCTGCGAGCCGAGGAGACCAAG 60  
 DB 23 AGAAGCTGGCTACAGAAAAACAGAGGGAGATTTGTGGCTGCGAGCCGAGGAGACCAAG 82  
 QY 61 GAAGATCTGCATGTGGGAGGACCTGATGATACAGAGGAATTAACAACATATATCTTAG 120  
 DB 83 GAAGATCTGCATGTGGGAGGACCTGATGATACAGAGGAATTAACAACATATATCTTAG 142  
 QY 121 TGTTCATGTAACCAAGATTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 180  
 DB 143 TGTTCATGTAACCAAGATTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 202  
 QY 181 GACACAGGGCTGGATCACCATCGACGCACTTTCTGAGTACTCTAGTGCAGCAAGAAAGA 240  
 DB 203 GACACAGGGCTGGATCACCATCGACGCACTTTCTGAGTACTCTAGTGCAGCAAGAAAGA 262  
 QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGA 300  
 DB 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGA 322  
 QY 301 GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360  
 DB 323 GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382  
 QY 361 TAATGCTTAAGTAGTGCATGTTTGTGACATTTTCCAGCCCTTTTAAATATCCACACACA 420  
 DB 383 TAATGCTTAAGTAGTGCATGTTTGTGACATTTTCCAGCCCTTTTAAATATCCACACACA 442  
 QY 421 CAGGAAGCACAAAAGGAGACAGAGATCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 480  
 DB 443 CAGGAAGCACAAAAGGAGACAGAGATCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 502  
 QY 481 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540  
 DB 503 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562  
 QY 541 AATTGATGTTCTTTAAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTTG 600





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1589 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCATGATGAGCCTCGCCCTGT 1530
503 GCCTGGTCCGCTTGTGAGGAGGACATTAAGAAATGAATGATGTTGTTCTTAAAGGA 562
1529 GCCTGGTCCGCTTGTGAGGAGGACATTAAGAAATGAATGATGTTGTTCTTAAAGGA 1470
563 TGGGACAGAAACACATCCTGTTGGATATTTATTTGAAACGGGATTAACAGATTTGAAT 622
1469 TGGGACAGAAACACATCCTGTTGGATATTTATTTGAAACGGGATTAACAGATTTGAAT 1410
623 GAAATGACAAATGAGCATTAACATTAAGAGGAAACACAGAGGAAATCTTGTGGCTT 682
1409 GAAATGACAAATGAGCATTAACATTAAGAGGAAACACAGAGGAAATCTTGTGGCTT 1350
683 CACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAGCTGGGG 742
1349 CACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAGCTGGGG 1290
743 AGGATTAACACAGCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGTCGTTTC 802
1289 AGGATTAACACAGCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGTCGTTTC 1230
803 ATAAACAAATCATTTTCAATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 862
1229 ATAAACAAATCATTTTCAATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1170
863 TACGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTC 922
1169 TACGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTC 1110
923 AGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 982
1049 AGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 1050
983 AAAGACCCCTTGGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATGATG 1042
1049 AAAGACCCCTTGGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATGATG 990
1043 GCCAGGGGATCTGGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGGTTACTTTA 1102
989 GCCAGGGGATCTGGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGGTTACTTTA 930
1103 CTAGCACACAGCATCATTAATGAGGATGATTAATTAATTAATTAATTAATTAATTAATTAAT 1162
929 CTAGCACACAGCATCATTAATGAGGATGATTAATTAATTAATTAATTAATTAATTAATTAAT 870
1163 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCCATTTCTCAAGACCTCAAAATGTCA 1222
869 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCCATTTCTCAAGACCTCAAAATGTCA 810
1223 TTCCATTAATATCAGAGGATTAATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 1282
809 TTCCATTAATATCAGAGGATTAATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 750
1283 CAGCTATGGAATTAATTAATTAATTAATTTTCAAGTGAAGATGATGATGATGATGATGATGAT 1342
749 CAGCTATGGAATTAATTAATTAATTTTCAAGTGAAGATGATGATGATGATGATGATGATGAT 690
1343 TCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTCTTAGCCTGTTGATCTG 1402
689 TCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTCTTAGCCTGTTGATCTG 630
1403 AGGCTGTATACAGC 1416
629 AGGCTGTATACAGC 616

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RESULT 7  
 US-09-352-616A-470/C  
 ; Sequence 470, Application US/09352616A  
 ; Patent No. 6395278  
 ; GENERAL INFORMATION:

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; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-352-616A-470

Query Match      56.7%; Score 1154; DB 3; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGATTTTACATCTGAGGCCACACATCTGCTGAAATGG 322
DB 1769 GGTGAGAAATAGAAAGGCTGCTGATTTTACATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 323 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTACATGT 382
DB 1709 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTACATGT 1650
QY 383 TTTTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCACAAGAGGAGCAC 442
DB 1649 TTTTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCACAAGAGGAGCAC 1590
QY 443 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTCAATGATGAGCCTCGCCCTGT 502
DB 1589 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTCAATGATGAGCCTCGCCCTGT 1530
QY 503 GCCTGTCCTCCCTGTTGAGGAGGACATTAAGAAATGAATGATGTTCTTAAAGGA 562
DB 1529 GCCTGTCCTCCCTGTTGAGGAGGACATTAAGAAATGAATGATGTTCTTAAAGGA 1470
QY 563 TGGGACAGAAACAGATCCTGTTGGATATTTTGAACGGGATTAACAGATTTGAAAT 622
DB 1469 TGGGACAGAAACAGATCCTGTTGGATATTTTGAACGGGATTAACAGATTTGAAAT 1410
QY 623 GAAATGCAAAAGTGAGCATTAACATTAAGAGGAAACAGACGAGAAATCTTTGATGGCTT 682
DB 1409 GAAATGCAAAAGTGAGCATTAACATTAAGAGGAAACAGACGAGAAATCTTTGATGGCTT 1350
QY 683 CACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAGCTGGGG 742
DB 1349 CACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAGCTGGGG 1290
QY 743 AGGATTAACACAGCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGTCGTTTC 802
DB 1289 AGGATTAACACAGCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACCTGTCGTTTC 1230
QY 803 ATAAACAAATCATTTTCAATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 862
DB 1229 ATAAACAAATCATTTTCAATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1170
QY 863 TACGTTCCCTTGTGTCGCTTAATATGATGATGATGATGATGATGATGATGATGATGATGATG 922
DB 1169 TACGTTCCCTTGTGTCGCTTAATATGATGATGATGATGATGATGATGATGATGATGATGAT 1110
QY 923 AGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 982
DB 1109 AGTTCCAGATCTGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 1050
QY 983 AAAGACCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTCTTAGCCTGTTGATCTG 1042
DB 1049 AAAGACCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTCTTAGCCTGTTGATCTG 990

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Db	629	AGGCTGTATACAGC 616			1349	CACAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGCAGCAGCAGCTGGGG	1290
QY					743	AGGAGATACACACGGGGCAGAGGGTCAGGATTTCTCGCCCTGCTGCTAACTGTGGTTC	802
Db					1289	AGGAGATACACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAACTGTGGTTC	1230
QY					803	ATAACCAAAATCATTTTCTAATTTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	862
Db					1229	ATAACCAAAATCATTTTCTAATTTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	1170
QY					863	TACGGTTCCTTCGGGCCAACATTTCTCAATATCTCAGGCAACATCTATTTTAAATATTT	922
Db					1169	TACGGTTCCTTCGGGCCAACATTTCTCAATATCTCAGGCAACATCTATTTTAAATATTT	1110
QY					923	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAATAACATTAACATCTATTTGTTTC	982
Db					1109	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAATAACATTAACATCTATTTGTTTC	1050
QY					983	AAAGACCCCTTCGTGTGCTGCTTAATATGTAGTGAATTTTCTTCTAAGGAGTGTCTG	1042
Db					1049	AAAGACCCCTTCGTGTGCTGCTTAATATGTAGTGAATTTTCTTCTAAGGAGTGTCTG	990
QY					1043	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	1102
Db					989	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	930
QY					1103	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	1162
Db					929	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	870
QY					1163	TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222
Db					869	TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810
QY					1223	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTCATTTGTTTACATGTTACTG	1282
Db					809	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTCATTTGTTTACATGTTACTG	750
QY					1283	CAGCTATCGGAATTAATTTACATATTTTGTTCAGTGAAGATGATCAAGTCTCTTTA	1342
Db					749	CAGCTATCGGAATTAATTTACATATTTTGTTCAGTGAAGATGATCAAGTCTCTTTA	690
QY					1343	TCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATCTTAGCCTTGTACTG	1402
Db					699	TCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATCTTAGCCTTGTACTG	630
QY					1403	AGGCTGTATACAGC 1416	
Db					629	AGGCTGTATACAGC 616	

RESULT 10  
 US-09-679-426-470/c  
 ; Sequence 470, Application US/09679426  
 ; Patent No. 6759515  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Jiang, Yuqi  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: Panger, Gary R.  
 ; APPLICANT: Retter, Marc W.  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Day, Craig H.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Li, Samuel  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Skeiky, Yasir A.W.  
 ; APPLICANT: Hepler, William

Db	629	AGGCTGTATACAGC 616			1349	CACAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGCAGCAGCAGCTGGGG	1290
QY					743	AGGAGATACACACGGGGCAGAGGGTCAGGATTTCTCGCCCTGCTGCTAACTGTGGTTC	802
Db					1289	AGGAGATACACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAACTGTGGTTC	1230
QY					803	ATAACCAAAATCATTTTCTAATTTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	862
Db					1229	ATAACCAAAATCATTTTCTAATTTTCTAAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	1170
QY					863	TACGGTTCCTTCGGGCCAACATTTCTCAATATCTCAGGCAACATCTATTTTAAATATTT	922
Db					1169	TACGGTTCCTTCGGGCCAACATTTCTCAATATCTCAGGCAACATCTATTTTAAATATTT	1110
QY					923	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAATAACATTAACATCTATTTGTTTC	982
Db					1109	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAATAACATTAACATCTATTTGTTTC	1050
QY					983	AAAGACCCCTTCGTGTGCTGCTTAATATGTAGTGAATTTTCTTCTAAGGAGTGTCTG	1042
Db					1049	AAAGACCCCTTCGTGTGCTGCTTAATATGTAGTGAATTTTCTTCTAAGGAGTGTCTG	990
QY					1043	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	1102
Db					989	GCCACAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	930
QY					1103	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	1162
Db					929	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT	870
QY					1163	TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222
Db					869	TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810
QY					1223	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTCATTTGTTTACATGTTACTG	1282
Db					809	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTCATTTGTTTACATGTTACTG	750
QY					1283	CAGCTATCGGAATTAATTTACATATTTTGTTCAGTGAAGATGATCAAGTCTCTTTA	1342
Db					749	CAGCTATCGGAATTAATTTACATATTTTGTTCAGTGAAGATGATCAAGTCTCTTTA	690
QY					1343	TCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATCTTAGCCTTGTACTG	1402
Db					699	TCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATCTTAGCCTTGTACTG	630
QY					1403	AGGCTGTATACAGC 1416	
Db					629	AGGCTGTATACAGC 616	

Query Match 56.7%; Score 1154; DB 4; Length 2426;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 263 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322  
 Db 1769 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710  
 QY 323 AGATAATTAACATCACTAGAAAACAGCAGATGACAAATATAATGTCTAAAGTAGTGACATGT 382  
 Db 1709 AGATAATTAACATCACTAGAAAACAGCAGATGACAAATATAATGTCTAAAGTAGTGACATGT 1650  
 QY 383 TTTTGCACATTTCCAGCCCTTTAATATCCACACACACAGGAAGCAAAAGGAGCAC 442  
 Db 1649 TTTTGCACATTTCCAGCCCTTTAATATCCACACACAGGAAGCAAAAGGAGCAC 1590  
 QY 443 AGAGATCCCTGGGAGAAATCCCGCGCCATCTTGGGTCATCGAGCCCTGCGCCTGT 502  
 Db 1589 AGAGATCCCTGGGAGAAATCCCGCGCCATCTTGGGTCATCGAGCCCTGCGCCTGT 1530  
 QY 503 GCCTGGTCCGCTTGTGAGGGAGGACATTAAGAAAATGAATTTGATGTGTTCTTAAAGGA 562  
 Db 1529 GCCTGGTCCGCTTGTGAGGGAGGACATTAAGAAAATGAATTTGATGTGTTCTTAAAGGA 1470  
 QY 563 TGGGAGGAAACAGATCTCTGTGTGGATTTATTTTGAACGGGATTACAGATTTGAAT 622  
 Db 1469 TGGGAGGAAACAGATCTCTGTGTGGATTTATTTTGAACGGGATTACAGATTTGAAT 1410  
 QY 623 GAAGTCACAAAGTAGCATTTACCAATGAGAGAAACACAGCAGAAAATCTTTGATGGCTT 682  
 Db 1409 GAAGTCACAAAGTAGCATTTACCAATGAGAGAAACACAGCAGAAAATCTTTGATGGCTT 1350  
 QY 683 CACAGACATGCAACAAACAAATGGAATGATGTGTGATGACATGAGCAGCAGCAGCTGGGG 742

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-470

Query Match      56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
DB 1769 GGTGGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710

QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT 382
DB 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT 1650

QY 383 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCAC 442
DB 1649 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCAC 1590

QY 443 AGAGATCCCTGGAGAAATCCCGCGCCGCATCTTGGGTCATCGATGAGCCCTGCGCTGT 502
DB 1589 AGAGATCCCTGGAGAAATCCCGCGCCGCATCTTGGGTCATCGATGAGCCCTGCGCTGT 1530

QY 503 GCCTGTCCTGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 562
DB 1529 GCCTGTCCTGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 1470

QY 563 TGGCAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 622
DB 1469 TGGCAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 1410

QY 623 GAAGTCACAAATGAGCATTTACATGAGAGAAACAGACGAGAAATCTTGATGGCTT 682
DB 1409 GAAGTCACAAATGAGCATTTACATGAGAGAAACAGACGAGAAATCTTGATGGCTT 1350

QY 683 CACAAGACATGCAACAAACAAATGGAATCTGTGATGATGATGATGATGATGATGATG 742
DB 1349 CACAAGACATGCAACAAACAAATGGAATCTGTGATGATGATGATGATGATGATGATG 1290

QY 743 AGAGATAACCAAGGGGAGAGGGTCAGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 802
DB 1289 AGAGATAACCAAGGGGAGAGGGTCAGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 1230

QY 803 ATAACCAATCATTTTCATATTTTCAACCTCAAAACAAAGCTGTGTAATATCTGATCTC 862
DB 1229 ATAACCAATCATTTTCATATTTTCAACCTCAAAACAAAGCTGTGTAATATCTGATCTC 1170

QY 863 TACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTAAATATT 922
DB 1169 TACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTAAATATT 1110

QY 923 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATCACTATTTTGTTC 982
DB 1109 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATCACTATTTTGTTC 1050

QY 983 AAAGACCTTCTGTGTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 1042
DB 1049 AAAGACCTTCTGTGTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 990

QY 1043 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102
DB 989 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930

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RESULT 11

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US-09-759-143-470/c
; Sequence 470, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darlick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-470

Query Match      56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
DB 1769 GGTGGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710

QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT 382
DB 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT 1650

QY 383 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAAGCAC 442

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Db	1649	TTTTGGC	CAATTTCCAG	CCCCCTTTAAATATCCACA	CA	CACAGGAAGCA	CAAAAGGAAGCAC	1590	
Qy	443	AGAGATCCCTGGG	AGAAATGCCGGC	CGCCATCTTGGGT	CATCGATCAGAGCTCGCCCTGT	502			
Db	1589	AGAGATCCCTGGG	AGAAATGCCGGC	CGCCATCTTGGGT	CATCGATCAGAGCTCGCCCTGT	1530			
Qy	503	GCCTGGTCCCG	CTTGTGAGG	GAAGACATTTAGAAAA	TGAATTGATGTGTTCTTTAAAGGA	562			
Db	1529	GCCTGGTCCCG	CTTGTGAGG	GAAGACATTTAGAAAA	TGAATTGATGTGTTCTTTAAAGGA	1470			
Qy	563	TGGCAGGAAAA	CAGATCTCTGTGTG	ATATTTTGAACGGGAT	TACAGATTTGAAAT	622			
Db	1469	TGGCAGGAAAA	CAGATCTCTGTGTG	ATATTTTGAACGGGAT	TACAGATTTGAAAT	1410			
Qy	623	GAACTCA	AAAGTCAGCAT	TACCAATCAGAGG	AAAAAGACAGAGAAAAATCTTGATGCGCTT	682			
Db	1409	GAACTCA	AAAGTCAGCAT	TACCAATCAGAGG	AAAAAGACAGAGAAAAATCTTGATGCGCTT	1350			
Qy	683	CACAAG	CATGCAACAAAC	AAAAATGGAA	TACTGTGATGCATCAGGCAGCAAGCTGGGG	742			
Db	1349	CACAAG	CATGCAACAAAC	AAAAATGGAA	TACTGTGATGCATCAGGCAGCAAGCTGGGG	1290			
Qy	743	AGGAGAT	AACACACGGG	CAGAGGTCAGGAT	CTGGCCCTGCTCTAAACTGTGCGTTC	802			
Db	1289	AGGAGAT	AACACACGGG	CAGAGGTCAGGAT	CTGGCCCTGCTCTAAACTGTGCGTTC	1230			
Qy	803	ATAACCA	AAATCATTTTCAT	TTCTTAAACCTCAAAAC	AAAGCTGTGTAAATCTGATCTC	862			
Db	1229	ATAACCA	AAATCATTTTCAT	TTCTTAAACCTCAAAAC	AAAGCTGTGTAAATCTGATCTC	1170			
Qy	863	TACGGT	TCCTTCGGG	CCCAACATTC	CCATATCCAGCCACAC	CTCATTTTTTAATATTT	922		
Db	1169	TACGGT	TCCTTCGGG	CCCAACATTC	CCATATCCAGCCACAC	CTCATTTTTTAATATTT	1110		
Qy	923	AGTTC	CCAGATCTGTACTGTG	ACCTTTCTACACTG	THAGATACATTTACTCATTTTGTTC	982			
Db	1109	AGTTC	CCAGATCTGTACTGTG	ACCTTTCTACACTG	THAGATACATTTACTCATTTTGTTC	1050			
Qy	983	AAAGAC	CTTCGTCTGCTG	CTCTAAATGATG	ACTGTGTTTTTCTTAAGGAGTGTCTG	1042			
Db	1049	AAAGAC	CTTCGTCTGCTG	CTCTAAATGATG	ACTGTGTTTTTCTTAAGGAGTGTCTG	990			
Qy	1043	GCC	CAGGGGATCTGTG	AACAGGCTGGG	AAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1102			
Db	989	GCC	CAGGGGATCTGTG	AACAGGCTGGG	AAGCATCTCTCAAGATCTTTCCAGGGTTATACTTA	930			
Qy	1103	CTAG	CACACAGCATGAT	CATTA	CGGAGTGAATTA	CTTAATCAACATCATCTCTCAGTGTCT	1162		
Db	929	CTAG	CACACAGCATGAT	CATTA	CGGAGTGAATTA	CTTAATCAACATCATCTCTCAGTGTCT	870		
Qy	1163	TTGG	CCCATACTGAAATTCAT	TTTCCACTTTTGTG	CCCATCTCAAGACCTCAAAAATGTCA	1222			
Db	869	TTGG	CCCATACTGAAATTCAT	TTTCCACTTTTGTG	CCCATCTCAAGACCTCAAAAATGTCA	810			
Qy	1223	TTCC	ATTAATATCAGG	ATTA	CTTTTTTTTTTAACTCGGAAGAA	TTCAATGTTACATG	1282		
Db	809	TTCC	ATTAATATCAGG	ATTA	CTTTTTTTTTTAACTCGGAAGAA	TTCAATGTTACATG	750		
Qy	1283	CAG	CTATGGG	AAATTAATTA	TACATTTTGTGTTTCCAGTGC	AAAGATGAC	TAAGTCCTTTA	1342	
Db	749	CAG	CTATGGG	AAATTAATTA	TACATTTTGTGTTTCCAGTGC	AAAGATGAC	TAAGTCCTTTA	690	
Qy	1343	TCC	CTCCCTTTGTTG	CAATTTTTTTTCCAGT	ATAAGTTAAAAATGCTTAGCTTGTACTG	1402			
Db	689	TCC	CTCCCTTTGTTG	CAATTTTTTTTCCAGT	ATAAGTTAAAAATGCTTAGCTTGTACTG	630			
Qy	1403	AGG	CTGTATAC	AGC	1416				
Db	629	AGG	CTGTATAC	AGC	616				

RESULT 12



QY 803 ATAACCAATCAATTCATATTTCTAACCTCAAACAAGAGCTGTGTAAATATCTGATCTC 862  
 DB 1229 ATAACCAATCAATTCATATTTCTAACCTCAAACAAGAGCTGTGTAAATATCTGATCTC 1170  
 QY 863 TAGGGTTCCTCTGGGCCCCAAGATTCCTCATATATCCAGCCACACATCTTTTAATATTT 922  
 DB 1169 TAGGGTTCCTCTGGGCCCCAAGATTCCTCATATATCCAGCCACACATCTTTTAATATTT 1110  
 QY 923 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATCTCAATTTTGTTC 982  
 DB 1109 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATCTCAATTTTGTTC 1050  
 QY 983 AAAGACCTTCGTGTGCTGCCCTTAATATGTAGCTGACTGTGTTTCTTAAGGAGTGTCTG 1042  
 DB 1049 AAAGACCTTCGTGTGCTGCCCTTAATATGTAGCTGACTGTGTTTCTTAAGGAGTGTCTG 990  
 QY 1043 GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102  
 DB 989 GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930  
 QY 1103 CTAGCACAGCATGATCAATACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 1162  
 DB 929 CTAGCACAGCATGATCAATACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 870  
 QY 1163 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATCTCTCAAGACCTCAAAATGTCA 1222  
 DB 869 TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATCTCTCAAGACCTCAAAATGTCA 810  
 QY 1223 TTCCATTAATACAGGATTAATCTTTTAACTTGTGCGGAGATTTCAATGTTTACATG 1282  
 DB 809 TTCCATTAATACAGGATTAATCTTTTAACTTGTGCGGAGATTTCAATGTTTACATG 750  
 QY 1283 CAGCTATGGGAATTTAATTAATCAATTTTGTGTTTCCAGTGCAGAGATGACTAAGTCTCTTA 1342  
 DB 749 CAGCTATGGGAATTTAATTAATCAATTTTGTGTTTCCAGTGCAGAGATGACTAAGTCTCTTA 690  
 QY 1343 TCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGTTAAATGCTTAGCCCTGTACTG 1402  
 DB 689 TCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGTTAAATGCTTAGCCCTGTACTG 630  
 QY 1403 AGGCTGTATACAGC 1416  
 DB 629 AGGCTGTATACAGC 616

RESULT 13  
 ; Sequence 468, Application US/09439313  
 ; Patent No. 6329505  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang Yuqi  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Kalos, Michael  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Retter, Mark  
 ; APPLICANT: Solk, John  
 ; APPLICANT: Day, Craig  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ; FILE REFERENCE: 210121.427C9  
 ; CURRENT APPLICATION NUMBER: US/09/439,313  
 ; CURRENT FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 575  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 468  
 ; LENGTH: 3112  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens

US-09-439-313-468

Query Match 56.7%; Score 1154; DB 3; Length 3112;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GTGTGAAATATAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 332  
 DB 1313 GTGTGAAATATAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1372  
 QY 323 AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 382  
 DB 1373 AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 1432  
 QY 383 TTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAGAGGAGACAC 442  
 DB 1433 TTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAGAGGAGACAC 1492  
 QY 443 AGAGATCCCTGGGAGAAATGCGCGGCCCATCTTTGGGTCAATGATGAGCTCGCCCTGT 502  
 DB 1493 AGAGATCCCTGGGAGAAATGCGCGGCCCATCTTTGGGTCAATGATGAGCTCGCCCTGT 1552  
 QY 503 GCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATGATGTGTTCTTAAAGGA 562  
 DB 1553 GCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAATGAATGATGTGTTCTTAAAGGA 1612  
 QY 563 TGGGAGGAGAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAAT 622  
 DB 1613 TGGGAGGAGAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAAT 1672  
 QY 623 GAAGTCACAAAGTGAGCATTAACAATGAGAGAAACACACGAGAAATCTTGTATGGCTT 682  
 DB 1673 GAAGTCACAAAGTGAGCATTAACAATGAGAGAAACACACGAGAAATCTTGTATGGCTT 1732  
 QY 683 CACAGACATGCAACAAACAAATCGAATACCTGTGATGACATGAGCGAGCCAGCTGGGG 742  
 DB 1733 CACAGACATGCAACAAACAAATCGAATACCTGTGATGACATGAGCGAGCCAGCTGGGG 1792  
 QY 743 AGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTGCTAACTGTGCTTC 802  
 DB 1793 AGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTGCTAACTGTGCTTC 1852  
 QY 803 ATAAACAAATCAATTTCAATTTCTAACCCCTCAAACAAAGCTGTGTATATCTGATCTC 862  
 DB 1853 ATAAACAAATCAATTTCAATTTCTAACCCCTCAAACAAAGCTGTGTATATCTGATCTC 1912  
 QY 863 TAGGGTTCCTCTGGGCCCCAAGATTTCTCATATATCCAGCCACACATCTTTTAATATTT 922  
 DB 1913 TAGGGTTCCTCTGGGCCCCAAGATTTCTCATATATCCAGCCACACATCTTTTAATATTT 1972  
 QY 923 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATCTCAATTTTGTTC 982  
 DB 1973 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATCTCAATTTTGTTC 2032  
 QY 983 AAAGACCTTCGTGTGCTGCCCTTAATATGATGATGATCTGTTTTTCTTAAGGAGTGTCTG 1042  
 DB 2033 AAAGACCTTCGTGTGCTGCCCTTAATATGATGATGATCTGTTTTTCTTAAGGAGTGTCTG 2092  
 QY 1043 GCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102  
 DB 2093 GCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTA 2152  
 QY 1103 CTAGCACAGCATGATCAATTAAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 1162  
 DB 2153 CTAGCACAGCATGATCAATTAAGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 2212  
 QY 1163 TTGCCCATACTGAAATTTCAATTTCCCATCTTTGTGCCCATCTCTCAAGACCTCAAAATGTCA 1222  
 DB 2213 TTGCCCATACTGAAATTTCAATTTCCCATCTTTGTGCCCATCTCTCAAGACCTCAAAATGTCA 2272  
 QY 1223 TTCCATTAATACAGGATTAATCTTTTAACTTGTGCGGAGATTTCAATGTTTACATG 1282  
 DB 2273 TTCCATTAATACAGGATTAATCTTTTAACTTGTGCGGAGATTTCAATGTTTACATG 2332

Qy	1283	CAGCTATGGGAATTTAAATTAACAATTTTGTGTTTCCAGTGCAGGAAGATGACATAAGTGCCTTTA	1343
Db	2333	CAGCTATGGGAATTTAAATTAACAATTTTGTGTTTCCAGTGCAGGAAGATGACATAAGTGCCTTTA	2392
Qy	1343	TCCTCCCTCCCTTTGTTGATTTTTTTTCCAGTATATAAGTTAAATGCTTACGCTTGTACTG	1402
Db	2393	TCCTCCCTCCCTTTGTTGATTTTTTTTCCAGTATATAAGTTAAATGCTTACGCTTGTACTG	2452
Qy	1403	AGGCTGTATACAGC	1416
Db	2453	AGGCTGTATACAGC	2466
RESULT 14			
US-09-352-616A-468			
; Sequence 468, Application US/09352616A			
; Patent No. 6395278			
; GENERAL INFORMATION:			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Harlocker, Susan Louise			
; APPLICANT: Jiang, Yuqui			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Mitcham, Jennifer Lynn			
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE			
; FILE REFERENCE: 210121.427C8			
; CURRENT APPLICATION NUMBER: US/09/352,616A			
; CURRENT FILING DATE: 1999-07-13			
; NUMBER OF SEQ ID NOS: 472			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 468			
; LENGTH: 3112			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-352-616A-468			
Query Match 56.7%; Score 1154; DB 3; Length 3112;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	263	GGTGAGAAATAAGAAAGGCTGCTGACATTTACCATCTGAGGCCACACATCTGCTGAAATGG	322
Db	1313	GGTGAGAAATAAGAAAGGCTGCTGACATTTACCATCTGAGGCCACACATCTGCTGAAATGG	1372
Qy	323	AGATAATTAACATCACATAGAGAAACAGCAAGATGACAATAATGCTAAAGTAGTGCATGT	382
Db	1373	AGATAATTAACATCACATAGAGAACAGCAAGATGACAATAATGCTAAAGTAGTGCATGT	1432
Qy	383	TTTTGACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCAC	442
Db	1433	TTTTGACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCAC	1492
Qy	443	AGAGATCCCTGGGAGAAATCCCGCGCGCCATCTTGGGTATCATGATGAGCCTCGCCCTGT	502
Db	1493	AGAGATCCCTGGGAGAAATCCCGCGCGCCATCTTGGGTATCATGATGAGCCTCGCCCTGT	1552
Qy	503	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATTCATGATGTTTCCCTTAAAGGA	562
Db	1553	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATTCATGATGTTTCCCTTAAAGGA	1612
Qy	563	TGGGCGAGAAAAACGATCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAAT	622
Db	1613	TGGGCGAGAAAAACGATCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAAT	1672
Qy	623	GAAGTCACAAGTGAGCATTTACCAATCAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	682
Db	1673	GAAGTCACAAGTGAGCATTTACCAATCAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	1732
Qy	683	CACAAGACATGCACAAACAAAATGGAAATCTGTGATGACATGAGGCGAGCCAGCTGGGG	742
Db	1733	CACAAGACATGCACAAACAAAATGGAAATCTGTGATGACATGAGGCGAGCCAGCTGGGG	1792



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Job time : 330.979 secs

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